

~~CONFIDENTIAL~~

1. Report No. NASA TM X-2469	2. Government Accession No.	3. Recipient's Catalog No.	
4. Title and Subtitle WIND-TUNNEL MEASUREMENTS OF AERODYNAMIC LOAD DISTRIBUTION ON AN NASA SUPERCRITICAL-WING RESEARCH AIRPLANE CONFIGURATION 33A		5. Report Date February 1972	
		6. Performing Organization Code	
7. Author(s) Charles D. Harris		8. Performing Organization Report No. L-7982	
		10. Work Unit No. 742-73-01-14	
9. Performing Organization Name and Address NASA Langley Research Center Hampton, Va. 23365		11. Contract or Grant No.	
		13. Type of Report and Period Covered Technical Memorandum	
12. Sponsoring Agency Name and Address National Aeronautics and Space Administration Washington, D.C. 20546		14. Sponsoring Agency Code	
15. Supplementary Notes			
16. Abstract Wind-tunnel tests have been conducted on a research airplane model with an NASA supercritical wing to define the general character of the flow over the wing and to aid in structural design of the full-scale airplane. Pressure measurements were made at Mach numbers from 0.25 to 1.30 for sideslip angles from -2.50° to 2.50° over a moderate range of angles of attack and dynamic pressures. Except for representative figures, the results are presented in tabular form without detailed analysis. CLASSIFICATION CHANGE TO UNCLASSIFIED By authority of <u>NASA Asst. Mgr. ADA-42</u> Date <u>6/14/76</u> Changed by <u>D. J. G. [Signature]</u> Classified Document Master Control Station, NASA Scientific and Technical Information Facility CLASSIFIED BY <u>IT/pd [Signature] (10/3/70) A/PW-2431</u> SUBJECT TO GENERAL DECLASSIFICATION SCHEDULE OF EXECUTIVE ORDER 11652. AUTOMATICALLY DOWNGRADED AT TWO-YEAR INTERVALS. DECLASSIFIED ON DECEMBER 31, 1978			
17. Key Words (Suggested by Author(s)) Supercritical wing Transonic aerodynamics Supercritical wing research airplane		18. Distribution Statement Confidential - Available to U.S. Government Agencies and their Contractors Only	
19. Security Classif. (of this report) Confidential	20. Security Classif. (of this page) Unclassified	21. No. of Pages 224	22. Price
GROUP 4 Downgraded at 2 year intervals; Declassified after 12 years		This material contains information affecting the national defense of the United States within the meaning of the espionage laws, Title 18, U.S.C., Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

WIND-TUNNEL MEASUREMENTS OF AERODYNAMIC LOAD
DISTRIBUTION ON AN NASA SUPERCRITICAL-WING
RESEARCH AIRPLANE CONFIGURATION*

By Charles D. Harris
Langley Research Center

SUMMARY

Basic pressure measurements have been made to determine the aerodynamic load distribution on a research airplane model with an NASA supercritical wing. These measurements were obtained at Mach numbers from 0.25 to 1.30 for sideslip angles from -2.50° to 2.50° over a moderate range of angles of attack and dynamic pressures. Except for representative figures, pressure distributions and wing-section normal-force and pitching-moment coefficients are presented in tabular form. At near-cruise conditions chordwise pressure profiles over the outer wing panel were quite similar to those of two-dimensional supercritical airfoils.

INTRODUCTION

Recent research in aeronautics has led to the development of a unique airfoil shape which maintains satisfactory performance characteristics well beyond the critical Mach number and is referred to as the supercritical airfoil. (See refs. 1 to 5.) Transport models incorporating the supercritical airfoil concept have shown drag-divergence Mach numbers near 1.0 and potential for substantially improved performance over present-day subsonic transports.

In order to establish the validity of performance gains indicated by wind-tunnel results, to verify existing techniques for extrapolating wind-tunnel results to full-scale conditions, and to provide a general evaluation of flying and handling qualities over a wide range of flight conditions, a full-scale flight investigation of the supercritical wing concept has been initiated. The flight-test program, utilizing an existing U.S. Navy fighter airplane (TF-8A) as a test-bed vehicle, is being jointly conducted by the Langley Research Center and the Flight Research Center of the National Aeronautics and Space Administration. However, since the wing was designed from the standpoint of transport application rather than fighter application, the flight-test program should not be interpreted as an effort to improve performance of the basic airplane.

*Title, ~~Unclassified~~

~~CONFIDENTIAL~~

As part of the wind-tunnel program required for the development of the research airplane, a 0.087-scale pressure model of the airplane was tested in the Langley 8-foot transonic pressure tunnel and the Langley 16-foot transonic tunnel. The tests were conducted to measure wing and fuselage pressure distributions in order to define the general character of the flow over the wing and to aid in the structural design of the full-scale airplane. The purpose of this paper is to document the results of such tests at Mach numbers from 0.25 to 1.30, angles of attack from about -9° to 24° , and Reynolds numbers varying from approximately 10.24×10^6 per meter (3.12×10^6 per foot) at a Mach number of 0.25 to a maximum of 19.95×10^6 per meter (6.08×10^6 per foot) at a Mach number of 0.80.

Pressure profiles at near-cruise conditions and the effects of variations in free-stream dynamic pressure on the wing and fuselage pressure distributions for selected test conditions are presented in graphical form and are discussed briefly. The rest of the results are presented in tabular form without analysis. Complete force and moment data corresponding to the test conditions of this investigation can be found in reference 6.

SYMBOLS

Values are given in both SI and U.S. Customary Units. Measurements and calculations were made in U.S. Customary Units.

All coefficients are based on the geometry of the basic wing panel, which does not include the leading-edge glove or the trailing-edge extension. Wing-section moment coefficients are referenced to the local 35-percent-chord station. Most of the pressure data presented herein were tabulated by machine, and the limitations of the machine as to available type faces necessitated some differences between the notation of these tables and conventional symbols. The following symbols are shown in the conventional form with the machine notation included in parentheses.

- b wing span, 1.143 m (45.00 in.)
- C_L total lift coefficient, $\frac{\text{Lift}}{qS}$
- C_p (CP) pressure coefficient, $\frac{p_l - p}{q}$
- c local streamwise chord of basic wing panel
- c_{av} average chord of basic wing panel, S/b , 16.87 cm (6.64 in.)

- c_m (CM) wing-section pitching-moment coefficient about $0.35c$,

$$\int_{l.e.}^{t.e.} (C_{p,L} - C_{p,U}) \left(0.35 - \frac{x}{c}\right) d\left(\frac{x}{c}\right)$$
- c_n (CN) wing-section normal-force coefficient,
$$\int_{l.e.}^{t.e.} (C_{p,L} - C_{p,U}) d\left(\frac{x}{c}\right)$$
- $\bar{c}$ mean geometric chord of basic wing panel, 18.087 cm (7.121 in.),

$$\frac{2}{S} \int_0^{1.0} c^2 d\left(\frac{y}{b/2}\right)$$
- c' streamwise local chord of total wing planform which includes leading-edge glove and trailing-edge extension
- M free-stream Mach number
- p free-stream static pressure, N/m^2 (lb/ft²)
- p_l local static pressure, N/m^2 (lb/ft²)
- q (Q) free-stream dynamic pressure, N/m^2 (lb/ft²)
- R Reynolds number, based on 1 meter (foot)
- S area of basic wing panel including fuselage intercept, 0.193 m² (2.075 ft²)
- x/c (X/C) distance from leading edge of local chord of basic wing panel or from fuselage inlet lip (positive toward wing trailing edge)
- x' longitudinal wing ordinate measured from leading edge of total streamwise chord of wing, positive toward wing trailing edge
- y distance measured spanwise from plane of symmetry
- z' vertical wing ordinate measured from model fuselage water line 26.205 cm (10.317 in.)
- α angle of attack, deg
- β angle of sideslip, referred to fuselage center line (positive when nose is left), deg

δ vertical deflection of wing under load, cm (in.)

Subscripts:

L wing lower surface

U wing upper surface

Abbreviations:

l.e. leading edge

t.e. trailing edge

APPARATUS AND PROCEDURES

Model Description

A sting-supported 0.087-scale model of a research airplane configuration with an NASA supercritical wing was used in the tests. Geometric characteristics are presented in figure 1, and photographs are presented in figure 2. The offset sting shown in figure 1(c) was used to obtain measurements at high angles of attack. The wing (planform typical of that of proposed advanced transport configurations) was in a high position and had a root incidence angle of 1.5° and approximately 5° of twist (washout) between the root and tip chords. The basic (reference) panel had an aspect ratio of 6.8, a taper ratio of 0.36, and 42.24° of sweepback at the quarter-chord line. Measured deflection of the wing (determined by static loading) associated with an actual aerodynamic load distribution at near-cruise conditions is given in figure 3.

The thickness-chord ratio at the trailing edge of the wing (approximately 0.01) was slightly greater than that which would be desirable from a two-dimensional standpoint, as discussed in reference 4. Early developmental testing indicated, however, that slightly thicker trailing edges could be used in swept-wing applications without suffering aerodynamic penalty.

The model also employed an addition to the aft upper surface of the fuselage to provide a fairing over existing wing attachment fittings and to forestall an early drag rise, which was observed near the beginning of the investigation to be associated with the cross-sectional-area progression of the empennage.

The vertical and horizontal tails were scaled versions of those of the test-bed airplane. The horizontal tails were deflected -2.5° (leading edge down) for all test

~~CONFIDENTIAL~~

conditions. The model was also equipped with flow-through ducts, but unlike the actual fighter airplane which had a single duct, the model was constructed with two ducts split at the base of the model to allow room for the model support sting.

Configuration Designations

Configuration numbers were assigned to the model as part of the overall program to develop the supercritical wing and are retained in this paper for identification purposes.

Pressure distributions were measured on three similar configurations, designated 136, 138, and 140. The cross-sectional area in the vicinity of the canopy-glove-fuselage intersection of configuration 136 was increased to improve the overall area distribution, and the resultant configuration was designated 138. This additional cross-sectional area was later removed because of restricted pilot visibility, and the resulting configuration, having slightly less cross-sectional area in the vicinity of the canopy-glove-fuselage intersection than configuration 136, was designated 140. The longitudinal progression of cross-sectional area of configuration 140 is presented in figure 4.

Although configurations 136 and 138 differ slightly from configuration 140, measurements made on them are included herein because they contain the effects of Reynolds number, the effects of sideslip, and the data at higher angles of attack, which were obtained only for these configurations.

Dissimilarities Between Model and Full-Scale Airplane

Configuration 140 more closely resembles the full-scale airplane than the other configurations tested, but several component and contour differences exist between the wind-tunnel model and the full-scale airplane which would prevent a direct comparison of the wind-tunnel results presented herein and full-scale flight results. Contour differences include:

- (1) Model wing surface irregularities were smoothed during lofting.
- (2) Small changes made on the lower inboard surface of the wing during later developmental model testing to improve the flow in that region were incorporated into the full-scale wing.
- (3) The entire full-scale wing was lowered (approximately 0.137 cm (0.054 in.) model scale) to provide better mating of the wing to the existing fuselage.
- (4) The fairing on the fuselage aft upper surface of the full-scale airplane was modified to expose an access panel near the base of the airplane and to better cover wing attachment fittings.

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

Lowering the wing by submerging it into the fuselage had the added benefit of reducing the overall frontal area. Wing coordinates, which include the alterations noted in items (1) and (2) and from which the full-scale wing was constructed, are presented in table I.

In addition to the contour dissimilarities noted, underwing aileron hinge bracket fairings, underwing leading-edge vortex generators, and a nose-mounted Mach number probe are included on the full-scale airplane but were not simulated on the present model. Furthermore, several other smaller protuberances which exist on the full-scale airplane were not simulated on the model (anticollision light, camera fairing, etc.).

Tunnel Description

The Langley 8-foot transonic pressure tunnel is a single-return, rectangular wind tunnel with controls that allow for the independent variation of Mach number, stagnation pressure, temperature, and dewpoint. The stagnation temperature of the tunnel air was automatically controlled at approximately 322 K (120° F), and the air was dried until the dewpoint in the test section was reduced sufficiently to avoid condensation effects. The upper and lower test-section walls are axially slotted to permit testing through the transonic speed range. The regular tunnel slots, which have an effective tunnel porosity (ratio of total slot width to width of top and bottom walls) of approximately 6 percent, were replaced during the present investigation by special slots having an effective tunnel porosity of about 22 percent. These slots were designed on the basis of reference 7 to permit testing of the relatively large model with minimum effects of blockage.

The Langley 16-foot transonic tunnel is a continuous-flow, single-return, atmospheric tunnel with slotted octagonal test section, also permitting a continuous variation in speed through the transonic speed range. On the basis of calibrations, test-section wall divergence angle is adjusted as a function of airstream dewpoint in order to eliminate longitudinal static-pressure gradients on the test-section center line that might occur because of condensation of atmospheric moisture at Mach numbers from 1.2 to 1.3. No attempts were made to correct the data from this facility for local condensation effects on the model. However, at the stagnation temperatures of this investigation (approximately 332 to 341 K (140° to 155° F)), such local condensation effects are believed to be small.

Boundary-Layer Transition

On the basis of references 8 and 9, bands of distributed roughness were located on the wings and tails for Mach numbers from 0.95 to 1.30 in an attempt to simulate full-scale boundary-layer characteristics at the trailing edge and full-scale shock-wave locations. On the wing upper surface inboard of the 15.88 cm (6.25 in.) semispan station,

~~CONFIDENTIAL~~

the trip location calculated on the basis of reference 9 was experimentally modified (moved slightly forward) to prevent the occurrence of unnatural laminar separation ahead of the trip. Such separation is unnatural in the sense that it would not be expected at full-scale conditions since turbulent boundary-layer flow is usually established near the leading edge. The grit arrangement for these Mach numbers (designated as the type I transition arrangement) is shown for the wing in figure 5. The trips on the horizontal and vertical tails consisted of No. 120 carborundum grains located at the 31-percent-chord line.

For Mach numbers from 0.50 to 0.90, the transition strip on the wing upper surface was moved nearer the leading edge (designated as the type II transition arrangement and shown in fig. 5) to prevent unnatural leading-edge laminar separation at high angles of attack. Again, this separation is unnatural in the sense that it would not be expected at full-scale conditions. The grit location and size on the wing lower surface and tails for the type II transition arrangement was unchanged from that of the type I transition arrangement.

Transition strips for a Mach number of 0.25 (based on considerations discussed in ref. 10 and designated as the type III transition arrangement) were located on the wing upper surface and the horizontal and vertical tails at 5 percent of the local chord and consisted of No. 120 carborundum grains. The boundary-layer trip on the wing lower surface, composed of No. 80 carborundum grains, was located at the 45-percent-chord line to simulate the full-scale boundary-layer thickness at the trailing-edge cusp of the lower surface.

Transition strips of No. 120 carborundum grains were applied around the fuselage 3.81 cm (1.50 in.) aft of the nose and 1.27 cm (0.50 in.) aft of the inlet lip on both the inner and outer surfaces for all test conditions. All transition strips were approximately 0.127 cm (0.050 in.) wide.

Measurements

The wing was instrumented with static-pressure orifices flush with the wing surface. These orifices were distributed in streamwise rows over the upper surface of the right wing panel and the lower surface of the left wing panel. In addition, a single row of orifices was located along the top of the fuselage and extended almost the entire length of the fuselage. Orifice locations are diagrammed and tabulated in figure 1(d). Spanwise row locations or stations are nondimensionalized by the wing semispan, and the longitudinal location of the individual wing orifices are nondimensionalized by the local chord of the basic wing panel. Note that the basic wing panel includes neither the glove nor the inboard trailing-edge extension, hence the values of x/c both greater than 1.0 and less than 0 for the two innermost wing orifice rows. Rearward-facing pressure orifices were included

~~CONFIDENTIAL~~

in the wing trailing edge at the 30.7- and 48.0-percent-semispan stations to measure the trailing-edge pressures near the wing mid-semispan. Fuselage orifice longitudinal locations were measured from the inlet lip and nondimensionalized by a local chord defined as the distance from the inlet lip to the fuselage base. The spanwise locations of the orifices over the fore component of the fuselage were staggered somewhat in order to better define the aerodynamic load over the canopy and forward part of the wing glove. (See fig. 1(d).)

Surface pressures were measured with the use of differential-pressure scanning valves mounted in the fuselage nose. Wing-section normal-force and pitching-moment coefficients were obtained at zero sideslip by numerical integration (based on the trapezoidal method) of the local pressure coefficients. Wing-section coefficients were not calculated at angles of sideslip other than zero since, as noted earlier, the upper and lower surface orifices are located on opposite wing panels and therefore would be at different sweep angles. Pressure distributions at negative and positive sideslip angles would have to be combined to make any meaningful correlation of upper and lower surface pressure distributions at sideslip angles other than zero.

Overall static aerodynamic force and moment measurements were obtained by means of an electrical strain-gage balance located within the fuselage cavity and are reported in reference 6.

Corrections

Angles of attack have been corrected for tunnel airflow angularity (determined from comparisons of upright and inverted runs) and for model support-sting and balance deflections due to aerodynamic loads on the model. In addition, the angles of attack measured in the Langley 8-foot transonic pressure tunnel were corrected for first-order boundary-induced effects (induced upwash interference) calculated from the theory of reference 11.

PRESENTATION OF RESULTS

Complete wing and fuselage pressure profiles and the integrated wing-section normal-force and pitching-moment coefficients are presented in tables II and III. The data presented in table II (Mach numbers from 0.25 to 1.00) and table III (Mach numbers from 0.95 to 1.30) were obtained in the 8-foot transonic pressure tunnel and the 16-foot transonic tunnel, respectively. Overall lift coefficients and angles of attack, determined from overall force measurements, are included in the tabulations for reference and identification purposes. An index at the beginning of each table summarizes the contents of the table and lists pertinent test conditions. The index for table II is on page 21, and the index for table III is on page 177.

Representative pressure distributions and span-load characteristics at near-cruise conditions are presented in figures 6 and 7, respectively. To avoid confusion due to the close spacing of the pressure orifices over the canopy, these orifices are numbered in figure 6 to correspond to the numbered orifices shown in figure 1(d).

Representative effects of variations in dynamic pressure on the pressure profiles and span-load characteristics at slightly above cruise conditions are illustrated in figures 8 and 9.

DISCUSSION

Because the present model does not truly represent the full-scale airplane, analyses are confined to only a few general observations on the pressure distribution at near-cruise conditions and on the effects of variations in dynamic pressure on the pressure distributions and span-load characteristics.

The pressure profiles shown in figure 6 are for a Mach number of 0.99, which is slightly higher than the drag-divergence Mach number for the complete model of 0.97 or 0.98 shown in reference 6. The flow over the wing is still good however, with only a small degree of trailing-edge separation evident. Attention is called to the negative pressure coefficients over the glove upper surface in the inboard region (13.3-percent-semispan station of fig. 6), then the progressive or seemingly isentropic recompression with some abrupt recovery near the trailing edge. The glove not only contributes additional lift to the wing, but also helps to offset the negative pitching moments due to the characteristic aft loading of the supercritical airfoil, which may be seen across the entire span. The streamwise pressure distribution near the corner of the glove-panel intersection (30.7-percent-semispan station) indicates that the wing has begun to load up more compared with the inboard station. This increased loading was not unexpected since a load distribution calculated from subcritical theory would predict that the wing would tend to load up where the highly swept glove meets the lesser swept outboard panel. Near the mid-semispan (48.0-percent-semispan station) the forward region of peak pressure was extended rearward, and the pressure profile closely resembles the pressure profile for the two-dimensional airfoil at a Mach number somewhat less than the design Mach number (referred to in ref. 5 as an intermediate off-design condition) particularly around $\frac{x}{c} = 0.80$ where the flow accelerates to a second pressure peak. Farther out on the wing, the general features of the pressure profiles are quite similar to those of two-dimensional supercritical airfoils at design conditions. (See ref. 4, for example.) The zero pressure coefficients at the trailing edge near the wing tip are related to the convergence of the compression associated with the main flow of the wing and the compression due to a weak shock wave originating at the leading edge of the wing tip (observed in oil-flow photographs obtained by the fluorescent-oil film technique described in ref. 12).

~~CONFIDENTIAL~~

Changes in the location of the shock wave with changes in dynamic pressure (fig. 8) are believed to be associated with aeroelastic effects rather than Reynolds number effects. The more forward location of the shock wave at the higher dynamic pressure is therefore attributed to the increased washout (more negative local angles of attack) of the wing at the higher dynamic pressure. This effect is more noticeable near the wing tips where aeroelastic effects would be expected to be more pronounced. As a result of estimates of wing stiffness on the full-scale airplane (not presented), wind-tunnel aerodynamic characteristics obtained at the higher dynamic pressure would be expected to approximate full-scale characteristics more closely.

CONCLUDING REMARKS

Wind-tunnel tests have been conducted at Mach numbers from 0.25 to 1.30 to measure the aerodynamic load distribution on a model of a research airplane with an NASA supercritical wing. Results are presented primarily in tabular form without detailed analysis except to note that the general features of the pressure profiles over the outer part of the wing at near-cruise conditions were quite similar to those of two-dimensional supercritical airfoils and that movements of the shock position with variations in dynamic pressure were probably associated with the aeroelastic characteristics of the model.

Langley Research Center,

National Aeronautics and Space Administration,

Hampton, Va., December 3, 1971.

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

REFERENCES

1. Whitcomb, Richard T.; and Clark, Larry R.: An Airfoil Shape for Efficient Flight at Supercritical Mach Numbers. NASA TM X-1109, 1965.
2. Whitcomb, Richard T.; and Blackwell, James A., Jr.: Status of Research on a Supercritical Wing. Conference on Aircraft Aerodynamics, NASA SP-124, 1966, pp. 367-381.
3. Blackwell, James A., Jr.: Aerodynamic Characteristics of an 11-Percent-Thick Symmetrical Supercritical Airfoil at Mach Numbers Between 0.30 and 0.85. NASA TM X-1831, 1969.
4. Harris, Charles D.: Wind-Tunnel Investigation of Effects of Trailing-Edge Geometry on a NASA Supercritical Airfoil Section. NASA TM X-2336, 1971.
5. Harris, Charles D.; and Blackwell, James A., Jr.: Wind-Tunnel Investigation of Effects of Rear Upper Surface Modifications on an NASA Supercritical Airfoil. NASA TM X-2454, 1971.
6. Bartlett, Dennis W.; and Re, Richard J.: Wind-Tunnel Investigation of Basic Aerodynamic Characteristics of a Supercritical-Wing Research Airplane Configuration. NASA TM X-2470, 1971.
7. Davis, Don D., Jr.; and Moore, Dewey: Analytical Study of Blockage- and Lift-Interference Corrections for Slotted Tunnels Obtained by the Substitution of an Equivalent Homogeneous Boundary for the Discrete Slots. NACA RM L53E07b, 1953.
8. Loving, Donald L.: Wind-Tunnel—Flight Correlation of Shock-Induced Separated Flow. NASA TN D-3580, 1966.
9. Blackwell, James A., Jr.: Preliminary Study of Effects of Reynolds Number and Boundary-Layer Transition Location on Shock-Induced Separation. NASA TN D-5003, 1969.
10. Braslow, Albert L.; and Knox, Eugene C.: Simplified Method for Determination of Critical Height of Distributed Roughness Particles for Boundary-Layer Transition at Mach Numbers From 0 to 5. NACA TN 4363, 1958.
11. Wright, Ray H.; and Barger, Raymond L.: Wind-Tunnel Lift Interference on Swept-back Wings in Rectangular Test Sections With Slotted Top and Bottom Walls. NASA TR R-241, 1966.
12. Loving, Donald L.; and Katzoff, S.: The Fluorescent-Oil Film Method and Other Techniques for Boundary-Layer Flow Visualization. NASA MEMO 3-17-59L, 1959.

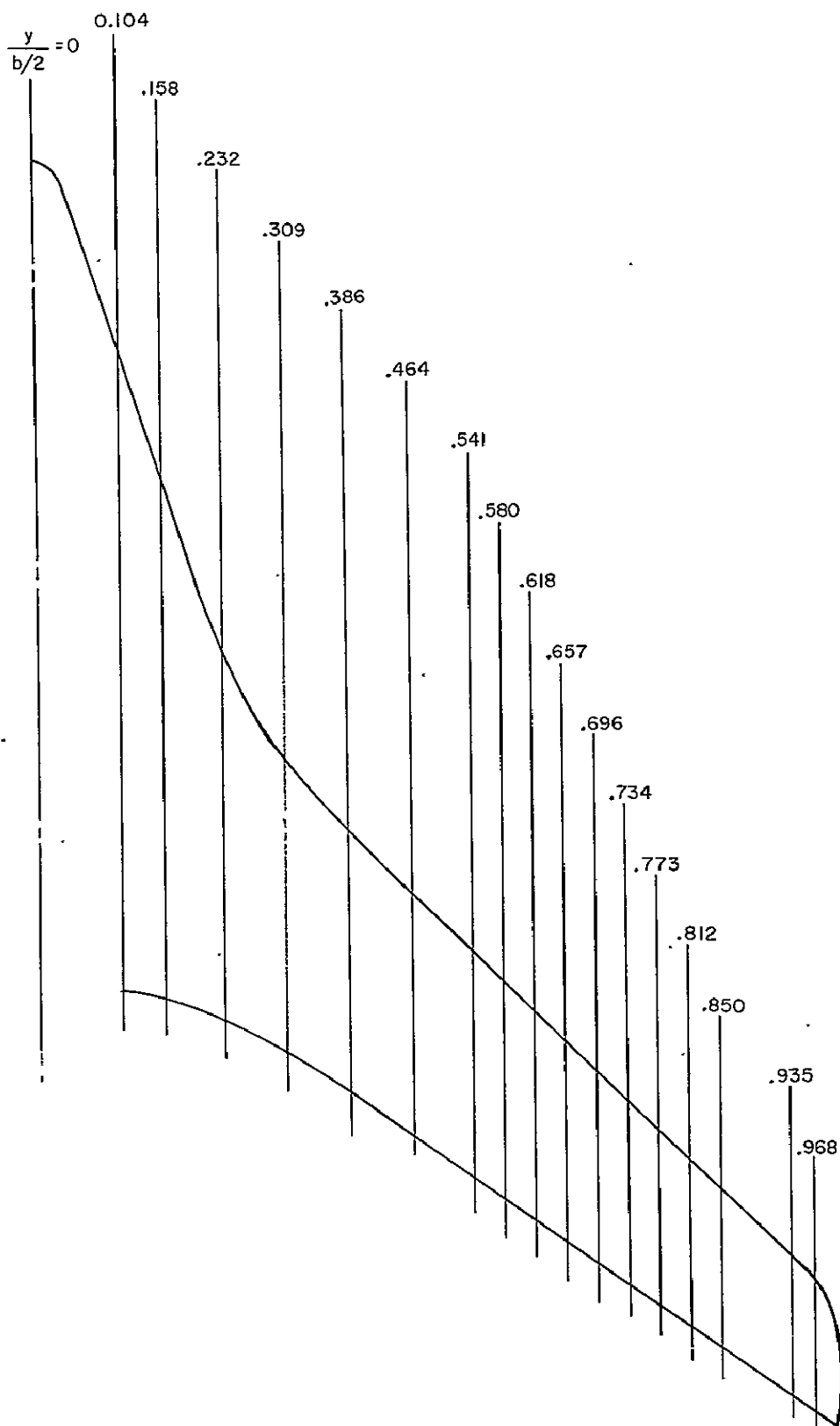
~~CONFIDENTIAL~~

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

TABLE I. - WING COORDINATES ALONG STREAMWISE CHORDS

(a) Wing planform coordinate layout



~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE I.- WING COORDINATES ALONG STREAMWISE CHORDS - Continued

(b) $\frac{y}{b/2} = 0.104$; $c' = 45.839$ cm (18.047 in.)

x'/c'	z'/c'		x'/c'	z'/c'		x'/c'	z'/c'	
	Upper surface	Lower surface		Upper surface	Lower surface		Upper surface	Lower surface
0	0.0379	0.0379	0.0240	0.0608	0.0133	0.0958	0.0777	-0.0057
.00001	.0384	.0373	.0250	.0613	.0128	.0979	.0781	-.0061
.00004	.0389	.0368	.0261	.0617	.0123	.1000	.0784	-.0064
.00010	.0395	.0362	.0272	.0621	.0118	.1022	.0787	-.0068
.0002	.0400	.0357	.0283	.0625	.0114	.1043	.0790	-.0071
.0003	.0406	.0351	.0294	.0629	.0109	.1065	.0793	-.0075
.0004	.0411	.0345	.0306	.0633	.0104	.1087	.0797	-.0078
.0006	.0417	.0340	.0318	.0637	.0100	.1110	.0800	-.0081
.0007	.0422	.0334	.0330	.0641	.0095	.1132	.0803	-.0085
.0009	.0428	.0329	.0342	.0645	.0091	.1155	.0806	-.0088
.0011	.0433	.0323	.0355	.0649	.0086	.1178	.0809	-.0091
.0014	.0438	.0318	.0368	.0653	.0082	.1201	.0812	-.0094
.0016	.0444	.0312	.0381	.0657	.0078	.1224	.0815	-.0097
.0019	.0449	.0307	.0394	.0661	.0073	.1248	.0818	-.0100
.0022	.0454	.0301	.0408	.0665	.0069	.1272	.0821	-.0103
.0025	.0460	.0296	.0421	.0669	.0065	.1296	.0824	-.0107
.0029	.0465	.0290	.0435	.0673	.0061	.1321	.0827	-.0110
.0033	.0470	.0285	.0449	.0677	.0056	.1345	.0829	-.0113
.0037	.0475	.0279	.0464	.0681	.0052	.1370	.0832	-.0116
.0041	.0481	.0274	.0478	.0685	.0048	.1395	.0835	-.0119
.0045	.0486	.0268	.0493	.0688	.0044	.1420	.0838	-.0122
.0050	.0491	.0263	.0508	.0692	.0040	.1446	.0840	-.0125
.0055	.0496	.0257	.0523	.0696	.0036	.1471	.0843	-.0128
.0060	.0501	.0252	.0539	.0700	.0032	.1497	.0845	-.0131
.0065	.0506	.0246	.0555	.0703	.0027	.1523	.0848	-.0134
.0071	.0511	.0241	.0571	.0707	.0024	.1550	.0851	-.0136
.0077	.0516	.0236	.0587	.0710	.0020	.1576	.0853	-.0139
.0083	.0521	.0230	.0603	.0713	.0016	.1603	.0855	-.0142
.0089	.0526	.0225	.0620	.0717	.0012	.1630	.0858	-.0145
.0095	.0531	.0220	.0637	.0720	.0008	.1658	.0860	-.0148
.0102	.0536	.0214	.0654	.0723	.0004	.1685	.0863	-.0150
.0109	.0541	.0209	.0671	.0727	0	.1713	.0865	-.0153
.0116	.0546	.0204	.0689	.0730	-.0004	.1741	.0868	-.0156
.0123	.0550	.0198	.0707	.0733	-.0007	.1769	.0870	-.0158
.0131	.0555	.0193	.0725	.0736	-.0011	.1797	.0872	-.0161
.0139	.0560	.0188	.0743	.0740	-.0015	.1826	.0874	-.0163
.0147	.0565	.0183	.0761	.0743	-.0019	.1855	.0877	-.0166
.0155	.0569	.0178	.0780	.0747	-.0023	.1884	.0879	-.0168
.0163	.0574	.0172	.0799	.0750	-.0026	.1913	.0881	-.0171
.0172	.0578	.0167	.0818	.0754	-.0030	.1943	.0883	-.0173
.0181	.0583	.0162	.0837	.0757	-.0034	.1973	.0885	-.0175
.0190	.0587	.0157	.0857	.0760	-.0038	.2003	.0887	-.0178
.0200	.0591	.0152	.0877	.0764	-.0042	.2033	.0889	-.0180
.0209	.0596	.0147	.0897	.0767	-.0046	.2063	.0891	-.0182
.0219	.0600	.0142	.0917	.0771	-.0050	.2094	.0892	-.0184
.0229	.0604	.0137	.0938	.0779	-.0053	.2125	.0894	-.0187

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE I. - WING COORDINATES ALONG STREAMWISE CHORDS - Continued

(b) $\frac{y}{b/2} = 0.104$; $c' = 45.839$ cm (18.047 in.) - Concluded

x'/c'	z'/c'		x'/c	z'/c'	
	Upper surface	Lower surface		Upper surface	Lower surface
0.2156	0.0896	-0.0189	0.3833	0.0876	-0.0238
.2187	.0897	-.0191	.3875	.0873	-.0238
.2219	.0899	-.0193	.3917	.0871	-.0238
.2251	.0900	-.0195	.3959	.0868	-.0237
.2283	.0902	-.0197	.4001	.0865	-.0237
.2315	.0903	-.0200	.4044	.0861	-.0236
.2348	.0905	-.0201	.4087	.0858	-.0235
.2380	.0906	-.0203	.4130	.0855	-.0234
.2413	.0907	-.0205	.4173	.0851	-.0233
.2446	.0908	-.0206	.4217	.0848	-.0232
.2480	.0909	-.0208	.4261	.0844	-.0230
.2513	.0910	-.0210	.4305	.0841	-.0230
.2547	.0911	-.0212	.4817	.0793	-.0209
.2581	.0911	-.0213	.5515	.0726	-.0155
.2616	.0912	-.0215	.6095	.0669	-.0095
.2650	.0912	-.0216	.6591	.0617	-.0035
.2685	.0913	-.0218	.7023	.0571	.0018
.2720	.0913	-.0219	.7406	.0530	.0065
.2755	.0913	-.0220	.7748	.0493	.0105
.2791	.0913	-.0222	.8057	.0454	.0135
.2826	.0913	-.0223	.8341	.0414	.0157
.2862	.0913	-.0224	.8602	.0374	.0168
.2898	.0913	-.0225	.8843	.0336	.0170
.2935	.0912	-.0226	.9068	.0299	.0163
.2971	.0912	-.0227	.9277	.0265	.0153
.3008	.0912	-.0228	.9474	.0232	.0140
.3045	.0911	-.0229	.9659	.0196	.0124
.3082	.0910	-.0230	.9747	.0178	.0115
.3120	.0909	-.0231	.9833	.0159	.0103
.3157	.0908	-.0232	.9943	.0132	.0088
.3195	.0907	-.0232	.9966	.0126	.0085
.3233	.0906		1.0000		.0080
.3272	.0904				
.3310	.0903				
.3349	.0901				
.3388	.0900				
.3428	.0898				
.3467	.0897				
.3507	.0895				
.3547	.0893	-.0238			
.3587	.0891	-.0238			
.3627	.0888	-.0239			
.3668	.0886	-.0239			
.3709	.0884	-.0239			
.3750	.0881	-.0239			
.3791	.0879	-.0239			

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE I.- WING COORDINATES ALONG STREAMWISE CHORDS - Continued

(c) $\frac{y}{b/2} = 0.158$; $c' = 36.873$ cm (14.517 in.)

x'/c'	z'/c'		x'/c'	z'/c'		x'/c'	z'/c'	
	Upper surface	Lower surface		Upper surface	Lower surface		Upper surface	Lower surface
0	0.0384	0.0384	0.1373	0.0834	-0.0104	0.2747	0.0881	-0.0191
.0030	.0472	.0294	.1403	.0837	-.0107	.2776	.0881	-.0191
.0060	.0507	.0257	.1433	.0839	-.0110	.2806	.0880	-.0192
.0090	.0533	.0229	.1463	.0842	-.0113	.2836	.0880	-.0193
.0119	.0554	.0206	.1493	.0844	-.0116	.2866	.0879	-.0194
.0149	.0572	.0186	.1523	.0846	-.0118	.2896	.0879	-.0194
.0179	.0588	.0168	.1552	.0848	-.0121	.2926	.0878	-.0195
.0209	.0602	.0152	.1582	.0851	-.0124	.2956	.0878	-.0196
.0239	.0615	.0137	.1612	.0853	-.0127	.2985	.0877	-.0196
.0269	.0626	.0124	.1642	.0855	-.0129	.3015	.0876	-.0197
.0299	.0636	.0112	.1672	.0857	-.0132	.3045	.0876	-.0197
.0328	.0646	.0100	.1702	.0859	-.0135	.3075	.0875	-.0198
.0358	.0656	.0090	.1732	.0860	-.0137	.3105	.0874	-.0198
.0388	.0665	.0079	.1761	.0862	-.0139	.3828	.0845	-.0192
.0418	.0674	.0070	.1791	.0864	-.0142	.4600	.0802	-.0158
.0448	.0683	.0061	.1821	.0865	-.0144	.5245	.0761	-.0115
.0478	.0691	.0053	.1851	.0867	-.0146	.5797	.0721	-.0068
.0508	.0698	.0045	.1881	.0868	-.0148	.6279	.0681	-.0021
.0537	.0706	.0037	.1911	.0869	-.0151	.6707	.0642	.0027
.0567	.0713	.0029	.1941	.0871	-.0153	.7095	.0605	.0071
.0597	.0719	.0022	.1970	.0872	-.0155	.7447	.0568	.0114
.0627	.0726	.0015	.2000	.0873	-.0157	.7769	.0533	.0153
.0657	.0732	.0008	.2030	.0874	-.0159	.8066	.0501	.0183
.0687	.0738	.0002	.2060	.0874	-.0161	.8341	.0470	.0205
.0717	.0744	-.0005	.2090	.0875	-.0162	.8596	.0438	.0219
.0746	.0750	-.0011	.2120	.0876	-.0164	.8836	.0402	.0225
.0776	.0756	-.0017	.2149	.0877	-.0166	.9075	.0368	.0225
.0806	.0761	-.0022	.2179	.0877	-.0167	.9313	.0333	.0220
.0836	.0766	-.0028	.2209	.0878	-.0169	.9548	.0295	.0207
.0866	.0771	-.0033	.2239	.0878	-.0170	.9663	.0276	.0199
.0896	.0775	-.0038	.2269	.0879	-.0172	.9776	.0255	.0190
.0925	.0780	-.0043	.2299	.0879	-.0174	.9924	.0226	.0174
.0955	.0784	-.0048	.2329	.0880	-.0175	.9956	.0220	.0170
.0985	.0789	-.0052	.2358	.0880	-.0176	1.0000		.0164
.1015	.0793	-.0057	.2388	.0881	-.0178			
.1045	.0797	-.0061	.2418	.0881	-.0179			
.1075	.0801	-.0066	.2448	.0882	-.0180			
.1105	.0804	-.0070	.2478	.0882	-.0182			
.1134	.0808	-.0074	.2508	.0882	-.0183			
.1164	.0811	-.0078	.2538	.0882	-.0184			
.1194	.0815	-.0082	.2567	.0882	-.0185			
.1224	.0818	-.0086	.2597	.0882	-.0186			
.1254	.0821	-.0090	.2627	.0882	-.0187			
.1284	.0825	-.0093	.2657	.0882	-.0188			
.1314	.0828	-.0097	.2687	.0882	-.0189			
.1343	.0831	-.0101	.2717	.0881	-.0190			

~~CONFIDENTIAL~~

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

TABLE I.- WING COORDINATES ALONG STREAMWISE CHORDS - Continued

(d) $\frac{y}{b/2} = 0.232;$

$c' = 26.355 \text{ cm (10.376 in.)}$

(e) $\frac{y}{b/2} = 0.309;$

$c' = 20.808 \text{ cm (8.192 in.)}$

(f) $\frac{y}{b/2} = 0.386;$

$c' = 18.654 \text{ cm (7.344 in.)}$

x'/c'	z'/c'	
	Upper surface	Lower surface
0	0.0378	0.0378
.0006	.0420	.0336
.0028	.0471	.0284
.0055	.0507	.0246
.0096	.0545	.0206
.0150	.0581	.0167
.0204	.0607	.0136
.0335	.0654	.0080
.0648	.0723	0
.0942	.0764	-.0045
.1218	.0792	-.0073
.1727	.0826	-.0109
.2184	.0843	-.0130
.2987	.0860	-.0140
.3683	.0859	-.0128
.4293	.0847	-.0105
.4835	.0827	-.0077
.5322	.0805	-.0044
.5764	.0780	-.0007
.6174	.0751	.0033
.6575	.0725	.0081
.6962	.0699	.0129
.7335	.0669	.0178
.7694	.0641	.0228
.8043	.0611	.0273
.8382	.0579	.0310
.8713	.0544	.0334
.9038	.0506	.0347
.9361	.0461	.0346
.9522	.0438	.0339
.9683	.0414	.0329
.9893	.0381	.0308
.9937	.0374	.0302
1.0000		.0293

x'/c'	z'/c'	
	Upper surface	Lower surface
0	0.0318	0.0318
.0004	.0349	.0288
.0018	.0385	.0251
.0035	.0411	.0224
.0062	.0439	.0196
.0097	.0465	.0169
.0131	.0486	.0147
.0217	.0529	.0107
.0426	.0597	.0046
.0626	.0642	.0007
.0819	.0677	-.0020
.1186	.0725	-.0063
.1530	.0758	-.0091
.2174	.0804	-.0117
.2770	.0828	-.0122
.3329	.0837	-.0117
.3857	.0838	-.0102
.4362	.0833	-.0081
.4846	.0822	-.0054
.5318	.0807	-.0020
.5781	.0794	.0023
.6236	.0780	.0076
.6682	.0763	.0139
.7120	.0745	.0209
.7549	.0722	.0283
.7972	.0696	.0353
.8388	.0665	.0408
.8799	.0628	.0441
.9204	.0582	.0449
.9404	.0554	.0441
.9604	.0523	.0424
.9866	.0475	.0385
.9921	.0464	.0374
1.0000		.0358

x'/c'	z'/c'	
	Upper surface	Lower surface
0	0.0255	0.0255
.0002	.0282	.0229
.0013	.0314	.0196
.0025	.0337	.0173
.0044	.0361	.0148
.0069	.0384	.0124
.0094	.0402	.0106
.0156	.0435	.0074
.0310	.0492	.0024
.0462	.0532	-.0010
.0613	.0563	-.0037
.0911	.0610	-.0076
.1204	.0646	-.0103
.1777	.0697	-.0129
.2334	.0728	-.0141
.2876	.0750	-.0139
.3405	.0765	-.0129
.3922	.0773	-.0111
.4430	.0775	-.0088
.4927	.0775	-.0057
.5417	.0773	-.0017
.5898	.0768	.0034
.6373	.0760	.0099
.6842	.0749	.0179
.7306	.0733	.0266
.7765	.0712	.0355
.8220	.0688	.0427
.8671	.0655	.0471
.9118	.0610	.0481
.9341	.0582	.0471
.9562	.0549	.0448
.9852	.0495	.0397
.9913	.0482	.0383
1.0000		.0364

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE I.- WING COORDINATES ALONG STREAMWISE CHORDS - Continued

(g) $\frac{y}{b/2} = 0.464;$

$c' = 12.537 \text{ cm (4.936 in.)}$

(h) $\frac{y}{b/2} = 0.541;$

$c' = 16.231 \text{ cm (6.390 in.)}$

(i) $\frac{y}{b/2} = 0.580;$

$c' = 15.624 \text{ cm (6.151 in.)}$

x'/c'	z'/c'	
	Upper surface	Lower surface
0.	0.0193	0.0193
.0002	.0218	.0168
.0012	.0248	.0137
.0023	.0270	.0115
.0041	.0294	.0091
.0064	.0316	.0068
.0088	.0332	.0051
.0146	.0367	.0020
.0291	.0420	-.0029
.0435	.0459	-.0062
.0578	.0488	-.0087
.0862	.0530	-.0122
.1143	.0561	-.0145
.1697	.0610	-.0170
.2241	.0646	-.0177
.2776	.0673	-.0173
.3304	.0694	-.0161
.3824	.0707	-.0144
.4338	.0720	-.0119
.4846	.0729	-.0085
.5347	.0734	-.0045
.5841	.0735	.0008
.6329	.0732	.0075
.6810	.0725	.0156
.7284	.0714	.0250
.7752	.0700	.0341
.8213	.0677	.0416
.8669	.0646	.0464
.9118	.0603	.0476
.9341	.0576	.0464
.9562	.0542	.0438
.9852	.0487	.0388
.9913	.0474	.0374
1.0000		.0352

x'/c'	z'/c'	
	Upper surface	Lower surface
0	0.0122	0.0122
.0002	.0146	.0097
.0011	.0175	.0068
.0023	.0197	.0046
.0040	.0219	.0023
.0063	.0240	.0001
.0086	.0257	-.0015
.0143	.0289	-.0046
.0286	.0343	-.0093
.0429	.0380	-.0123
.0570	.0410	-.0145
.0852	.0454	-.0177
.1132	.0488	-.0198
.1686	.0540	-.0215
.2232	.0578	-.0218
.2770	.0608	-.0211
.3300	.0633	-.0195
.3823	.0654	-.0173
.4338	.0672	-.0147
.4846	.0686	-.0112
.5347	.0694	-.0069
.5841	.0700	-.0013
.6329	.0704	.0055
.6810	.0702	.0141
.7284	.0696	.0235
.7752	.0683	.0326
.8213	.0663	.0402
.8669	.0635	.0452
.9118	.0592	.0463
.9341	.0565	.0452
.9562	.0531	.0427
.9852	.0475	.0376
.9913	.0462	.0362
1.0000		.0339

x'/c'	z'/c'	
	Upper surface	Lower surface
0	0.0082	0.0082
.0002	.0106	.0058
.0011	.0135	.0029
.0023	.0156	.0008
.0040	.0178	-.0015
.0063	.0199	-.0037
.0086	.0216	-.0053
.0143	.0248	-.0082
.0286	.0301	-.0127
.0429	.0340	-.0157
.0570	.0369	-.0178
.0852	.0414	-.0207
.1132	.0450	-.0226
.1686	.0504	-.0241
.2232	.0545	-.0241
.2770	.0577	-.0230
.3300	.0603	-.0214
.3823	.0626	-.0191
.4338	.0646	-.0163
.4846	.0662	-.0126
.5347	.0673	-.0082
.5841	.0681	-.0025
.6329	.0687	.0045
.6810	.0688	.0129
.7284	.0686	.0225
.7752	.0676	.0318
.8213	.0656	.0395
.8669	.0628	.0444
.9118	.0586	.0455
.9341	.0559	.0445
.9562	.0525	.0421
.9782	.0484	.0385
.9913	.0454	.0354
1.0000		.0331

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE I.- WING COORDINATES ALONG STREAMWISE CHORDS - Continued

(j) $\frac{y}{b/2} = 0.618;$

$c' = 15.019 \text{ cm (5.913 in.)}$

(k) $\frac{y}{b/2} = 0.657;$

$c' = 14.412 \text{ cm (5.674 in.)}$

(l) $\frac{y}{b/2} = 0.696;$

$c' = 13.807 \text{ cm (5.436 in.)}$

x'/c'	z'/c'	
	Upper surface	Lower surface
0	0.0043	0.0043
.0002	.0066	.0019
.0012	.0095	-.0010
.0023	.0116	-.0031
.0040	.0138	-.0053
.0063	.0158	-.0075
.0086	.0174	-.0091
.0143	.0205	-.0119
.0286	.0259	-.0164
.0429	.0298	-.0194
.0570	.0328	-.0213
.0852	.0374	-.0239
.1132	.0411	-.0255
.1686	.0467	-.0268
.2232	.0509	-.0265
.2770	.0543	-.0251
.3300	.0571	-.0233
.3823	.0597	-.0209
.4338	.0618	-.0180
.4846	.0637	-.0142
.5347	.0650	-.0097
.5841	.0661	-.0039
.6329	.0669	.0033
.6810	.0673	.0117
.7284	.0672	.0216
.7752	.0664	.0308
.8213	.0647	.0385
.8669	.0620	.0437
.9118	.0579	.0446
.9341	.0551	.0436
.9562	.0518	.0414
.9782	.0476	.0376
.9913	.0445	.0346
1.0000		.0322

x'/c'	z'/c'	
	Upper surface	Lower surface
0	0.0002	0.0002
.0002	.0025	-.0022
.0011	.0054	-.0050
.0023	.0074	-.0071
.0040	.0096	-.0093
.0063	.0116	-.0114
.0086	.0131	-.0129
.0143	.0162	-.0160
.0286	.0218	-.0201
.0429	.0256	-.0230
.0570	.0287	-.0250
.0852	.0333	-.0273
.1132	.0370	-.0286
.1686	.0428	-.0294
.2232	.0472	-.0289
.2770	.0507	-.0274
.3300	.0538	-.0253
.3823	.0564	-.0229
.4338	.0588	-.0199
.4846	.0608	-.0159
.5347	.0626	-.0112
.5841	.0639	-.0053
.6329	.0650	.0018
.6810	.0656	.0106
.7284	.0657	.0205
.7752	.0650	.0297
.8213	.0636	.0374
.8669	.0610	.0425
.9118	.0570	.0436
.9341	.0543	.0426
.9562	.0509	.0404
.9782	.0467	.0367
.9913	.0436	.0336
1.0000		.0312

x'/c'	z'/c'	
	Upper surface	Lower surface
0	-0.0041	-0.0041
.0002	-.0018	-.0064
.0011	.0010	-.0092
.0023	.0031	-.0112
.0040	.0052	-.0134
.0063	.0072	-.0155
.0086	.0087	-.0170
.0143	.0119	-.0201
.0286	.0175	-.0241
.0429	.0214	-.0266
.0570	.0244	-.0285
.0852	.0291	-.0306
.1132	.0328	-.0318
.1686	.0388	-.0325
.2232	.0434	-.0317
.2770	.0469	-.0299
.3300	.0503	-.0277
.3823	.0530	-.0251
.4338	.0557	-.0219
.4846	.0579	-.0178
.5347	.0600	-.0129
.5841	.0616	-.0069
.6329	.0627	.0004
.6810	.0636	.0093
.7284	.0640	.0191
.7752	.0636	.0284
.8213	.0623	.0360
.8669	.0599	.0411
.9118	.0559	.0424
.9341	.0532	.0414
.9562	.0498	.0393
.9782	.0457	.0357
.9913	.0426	.0326
1.0000		.0302

~~CONFIDENTIAL~~

TABLE I. - WING COORDINATES ALONG STREAMWISE CHORDS - Continued

(m) $\frac{y}{b/2} = 0.734;$

$c' = 13.200 \text{ cm (5.197 in.)}$

(n) $\frac{y}{b/2} = 0.773;$

$c' = 12.596 \text{ cm (4.959 in.)}$

(o) $\frac{y}{b/2} = 0.812;$

$c' = 11.989 \text{ cm (4.720 in.)}$

x'/c'	z'/c'	
	Upper surface	Lower surface
0	-0.0085	-0.0085
.0002	-.0063	-.0108
.0011	-.0035	-.0136
.0023	-.0015	-.0156
.0040	.0006	-.0177
.0063	.0025	-.0197
.0086	.0041	-.0212
.0143	.0074	-.0239
.0286	.0130	-.0282
.0429	.0170	-.0305
.0570	.0199	-.0321
.0852	.0246	-.0340
.1132	.0285	-.0352
.1686	.0347	-.0357
.2232	.0394	-.0347
.2770	.0432	-.0327
.3300	.0467	-.0304
.3823	.0497	-.0274
.4338	.0525	-.0240
.4846	.0550	-.0198
.5347	.0572	-.0148
.5841	.0590	-.0086
.6329	.0603	-.0012
.6810	.0614	.0077
.7284	.0620	.0174
.7752	.0619	.0268
.8213	.0608	.0345
.8669	.0587	.0396
.9118	.0546	.0409
.9341	.0520	.0400
.9562	.0485	.0379
.9782	.0445	.0344
.9913	.0414	.0314
1.0000		.0290

x'/c'	z'/c'	
	Upper surface	Lower surface
0	-0.0128	-0.0128
.0002	-.0106	-.0151
.0011	-.0078	-.0178
.0023	-.0059	-.0198
.0040	-.0038	-.0219
.0063	-.0019	-.0239
.0086	-.0002	-.0253
.0143	.0029	-.0282
.0286	.0083	-.0322
.0429	.0121	-.0344
.0570	.0151	-.0361
.0852	.0199	-.0377
.1132	.0241	-.0387
.1686	.0305	-.0389
.2232	.0353	-.0377
.2770	.0393	-.0356
.3306	.0430	-.0332
.3823	.0461	-.0300
.4338	.0491	-.0263
.4846	.0518	-.0220
.5347	.0541	-.0169
.5841	.0561	-.0105
.6329	.0578	-.0031
.6810	.0590	.0058
.7284	.0596	.0154
.7752	.0598	.0249
.8213	.0590	.0328
.8669	.0569	.0378
.9118	.0531	.0393
.9341	.0505	.0384
.9562	.0471	.0364
.9782	.0431	.0330
.9913	.0398	.0301
1.0000		.0276

x'/c'	z'/c'	
	Upper surface	Lower surface
0	-0.0173	-0.0173
.0002	-.0151	-.0196
.0011	-.0124	-.0223
.0023	-.0105	-.0242
.0040	-.0085	-.0263
.0063	-.0066	-.0282
.0086	-.0049	-.0296
.0143	-.0018	-.0325
.0286	.0035	-.0363
.0429	.0073	-.0384
.0570	.0104	-.0400
.0852	.0153	-.0416
.1132	.0194	-.0425
.1686	.0258	-.0425
.2232	.0309	-.0411
.2770	.0352	-.0388
.3300	.0389	-.0362
.3823	.0422	-.0329
.4338	.0454	-.0288
.4846	.0482	-.0244
.5347	.0506	-.0191
.5841	.0528	-.0127
.6329	.0548	-.0052
.6810	.0561	.0037
.7284	.0570	.0133
.7752	.0574	.0227
.8213	.0568	.0306
.8669	.0548	.0357
.9118	.0514	.0374
.9341	.0489	.0366
.9562	.0455	.0347
.9782	.0414	.0314
.9913	.0382	.0286
1.0000		.0261

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

TABLE I. - WING COORDINATES ALONG STREAMWISE CHORDS -- Concluded

(p) $\frac{y}{b/2} = 0.850;$ $c' = 11.382 \text{ cm (4.481 in.)}$	(q) $\frac{y}{b/2} = 0.935;$ $c' = 10.051 \text{ cm (3.957 in.)}$	(r) $\frac{y}{b/2} = 0.968;$ $c' = 9.467 \text{ cm (3.727 in.)}$
---	---	--

x'/c'	z'/c'	
	Upper surface	Lower surface
0	-0.0221	-0.0221
.0002	-.0199	-.0243
.0011	-.0172	-.0270
.0023	-.0153	-.0289
.0040	-.0133	-.0309
.0063	-.0115	-.0328
.0086	-.0099	-.0342
.0143	-.0068	-.0368
.0286	-.0014	-.0405
.0429	.0025	-.0425
.0570	.0057	-.0440
.0852	.0105	-.0458
.1132	.0144	-.0467
.1686	.0208	-.0465
.2232	.0261	-.0448
.2770	.0304	-.0424
.3300	.0344	-.0394
.3823	.0379	-.0361
.4338	.0411	-.0318
.4846	.0440	-.0271
.5347	.0466	-.0217
.5841	.0493	-.0153
.6329	.0513	-.0077
.6810	.0529	.0014
.7284	.0541	.0109
.7752	.0547	.0202
.8213	.0542	.0282
.8669	.0526	.0334
.9118	.0494	.0353
.9341	.0469	.0347
.9562	.0438	.0329
.9782	.0397	.0296
.9913	.0367	.0269
1.0000		.0246

x'/c'	z'/c'	
	Upper surface	Lower surface
0	-0.0330	-0.0330
.0002	-.0309	-.0352
.0011	-.0283	-.0378
.0023	-.0264	-.0397
.0040	-.0245	-.0416
.0063	-.0227	-.0434
.0086	-.0213	-.0448
.0143	-.0185	-.0473
.0286	-.0133	-.0509
.0429	-.0094	-.0532
.0570	-.0064	-.0549
.0852	-.0014	-.0568
.1132	.0026	-.0574
.1686	.0090	-.0568
.2232	.0143	-.0546
.2770	.0189	-.0519
.3300	.0231	-.0481
.3823	.0271	-.0441
.4338	.0307	-.0395
.4846	.0340	-.0343
.5347	.0371	-.0287
.5841	.0401	-.0221
.6329	.0426	-.0141
.6810	.0447	-.0050
.7284	.0465	.0043
.7752	.0477	.0135
.8213	.0477	.0215
.8669	.0468	.0274
.9118	.0441	.0299
.9341	.0419	.0295
.9562	.0393	.0277
.9852	.0342	.0233
.9913	.0330	.0221
1.0000		.0202

x'/c'	z'/c'	
	Upper surface	Lower surface
0	-0.0382	-0.0382
.0002	-.0362	-.0405
.0011	-.0339	-.0432
.0023	-.0321	-.0450
.0040	-.0301	-.0467
.0063	-.0282	-.0484
.0086	-.0266	-.0497
.0143	-.0235	-.0522
.0286	-.0180	-.0558
.0429	-.0410	-.0580
.0570	-.0108	-.0598
.0852	-.0057	-.0618
.1132	-.0014	-.0622
.1686	.0052	-.0611
.2232	.0102	-.0590
.2770	.0147	-.0560
.3330	.0188	-.0521
.3823	.0230	-.0478
.4338	.0268	-.0428
.4846	.0303	-.0373
.5347	.0338	-.0314
.5841	.0368	-.0247
.6329	.0395	-.0166
.6810	.0417	-.0075
.7284	.0434	.0015
.7752	.0446	.0101
.8213	.0453	.0185
.8669	.0448	.0248
.9118	.0425	.0278
.9341	.0403	.0274
.9562	.0374	.0258
.9852	.0322	.0215
.9913	.0310	.0203
1.0000		.0184

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

INDEX TO TABLE II

Table II - Sheet numbers	Config. number	Mach number	Dynamic pressure, lb/ft ² (N/m ²)	Angle-of-attack range, deg	Lift-coefficient range	Angle of sideslip, deg
1 to 5	136	1.00	923 (44 193)	2.69 to 4.03	0.3382 to 0.5091	0
6 to 8	140	1.00	923 (44 193)	2.73 to 3.74	.3357 to .4642	0
9 to 13	136	1.00	600 (28 728)	2.85 to 4.65	.3777 to .6069	0
14 to 24	136	.99	923 (44 193)	-.04 to 8.03	-.0287 to .8868	0
25 to 38	140	.99	923 (44 193)	.11 to 11.56	-.0028 to 1.0682	0
39 to 49	136	.99	923 (44 193)	.11 to 10.31	.0015 to 1.0129	-2.50
50 to 63	136	.99	923 (44 193)	.09 to 10.95	-.0078 to 1.0409	2.50
64 to 81	136	.99	600 (28 728)	-9.32 to 13.66	-.8449 to 1.2101	0
82 to 86	136	.98	923 (44 193)	2.80 to 4.08	.3771 to .5438	0
87 to 89	140	.98	923 (44 193)	2.86 to 3.52	.3875 to .4740	0
90 to 102	136	.95	923 (44 193)	-.05 to 11.23	-.0031 to 1.0300	0
103 to 111	140	.95	923 (44 193)	.03 to 10.34	.0015 to .9625	0
112 to 120	136	.95	923 (44 193)	.05 to 11.57	.0084 to 1.0442	-2.50
121 to 130	136	.95	923 (44 193)	.11 to 11.17	.0076 to 1.0405	2.50
131 to 149	136	.95	600 (28 728)	-9.34 to 14.78	-.8265 to 1.1987	0
150 to 156	138	.95	600 (28 728)	10.26 to 21.79	.9732 to 1.5725	0
157 to 164	136	.90	1000 (47 880)	.02 to 8.18	.0242 to .8758	0
165 to 179	136	.90	650 (31 122)	-7.25 to 14.88	-.6830 to 1.1688	0
180 to 183	138	.90	650 (31 122)	12.71 to 19.53	1.0412 to 1.4279	0
184 to 195	136	.80	1000 (47 880)	.05 to 11.42	.0395 to .9721	0
196 to 210	136	.80	650 (31 122)	-9.43 to 14.89	-.7482 to 1.1354	0
211 to 216	138	.80	650 (31 122)	10.38 to 21.00	.8884 to 1.4784	0
217 to 231	136	.50	500 (23 940)	-8.99 to 14.29	.0495 to 1.1209	0
232 to 239	138	.50	500 (23 940)	9.49 to 24.96	.8388 to 1.5730	0
240 to 250	136	.50	325 (15 561)	-.08 to 13.69	.0414 to 1.0745	0
251 to 268	136	.25	178 (8 523)	-.10 to 13.25	.0321 to 1.0960	0
269 to 277	138	.25	178 (8 523)	8.25 to 22.59	.7335 to 1.4884	0
278 to 285	136	.25	178 (8 523)	-.08 to 13.38	.0392 to 1.1158	-2.50
286 to 293	136	.25	178 (8 523)	.10 to 13.36	.0335 to 1.1031	2.50
294 to 309	136	.25	115 (5 506)	-8.17 to 13.06	-.6828 to 1.0738	0

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-1 CONFIGURATION 136 M = 1.00 Q = 923 $\alpha = 2.69^\circ$ $C_L = 0.3382$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
UPPER SURFACE													
.019	.170												
.057	-.067												
.076	-.189												
.080	-.170	-.658	-.128	-.021	-.530	.023	-.583	.025	-.544	.022	-.339	.018	-.316
.085	-.252	-.565	-.248	.035	-.718	.068	-.728	.079	-.646	.075	-.579	.077	-.579
.093	-.228	-.452	-.301	.105	-.668	.134	-.754	.133	-.669	.129	-.571	.129	-.543
.113	.069	-.311	-.380	.178	-.604	.209	-.724	.214	-.664	.201	-.580	.209	-.545
.115	.110	-.023	-.429	.286	-.461	.294	-.671	.295	-.624	.294	-.561	.293	-.527
.137	.109	.133	-.415	.396	-.494	.404	-.631	.407	-.629	.397	-.574	.396	-.536
.138	.128	.272	-.337	.514	-.417	.497	-.453	.502	-.607	.495	-.553	.494	-.552
.163	.083	.416	-.292	.618	-.365	.599	-.414	.601	-.577	.594	-.556	.590	-.525
.162	.086	.565	-.242	.733	-.357	.700	-.414	.698	-.433	.693	-.561	.693	-.001
.209	-.027	.713	-.193	.835	-.370	.782	-.462	.780	-.470	.784	-.158	.777	.011
.247	-.173	.854	-.195	.919	-.222	.864	-.356	.863	-.137	.856	-.085	.861	-.027
.276	-.262	.980	-.219	.987	-.077	.926	-.126	.923	-.095	.926	-.022	.918	-.028
.324	-.334	1.074	-.246			.975	-.093	.977	-.062	.977	.036	.972	.091
.361	-.342	1.122	-.159										
.396	-.277												
.438	-.229												
LOWER SURFACE													
.487	-.086	-.658	.073	-.022	.241	.024	.078	.025	-.117	.019	-.105	.020	.108
.518	-.054	-.615	.058	.038	-.030	.075	-.192	.074	-.321	.066	-.439	.076	-.254
.556	-.088	-.572	.032	.101	-.132	.137	-.262	.130	-.367	.136	-.339	.136	-.282
.574	-.144	-.462	-.045	.185	-.216	.213	-.298	.214	-.362	.214	-.231	.221	-.197
.593	-.128	-.329	-.107	.289	-.251	.297	-.320	.298	-.341	.489	-.154	.295	-.196
.632	-.017	-.172	-.170	.398	-.302	.400	-.365	.397	-.254	.594	-.086	.396	-.215
.670	.017	-.030	-.226	.519	-.293	.498	-.253	.501	-.216	.700	.096	.497	-.190
.747	-.013	.128	-.220	.620	-.156	.604	-.159	.603	-.110	.786	.189	.597	-.019
.766	-.068	.418	-.215	.737	.019	.705	.022	.703	.081	.858	.243	.702	.140
.785	-.221	.564	-.228	.831	.114	.785	.114	.784	.203	.939	.270	.786	.231
.804	-.234	.710	-.083	.914	.163	.859	.150	.868	.266	.967	.207	.864	.259
.823	-.135	.857	.089	.986	.073	.922	.191	.923	.263			.912	.277
.842	-.129	.976	.151	1.012	-.061	.967	.100	.972	.154			.985	.174
.861	-.062	1.072	.127			1.000	-.064						
.881	-.055	1.110	.026										
.900	-.076												
.938	-.095												
CN =			.3610		.3587		.3856		.3939		.3583		.3029
CM =			.0477		-.0253		-.0464		-.0709		-.0654		-.0321

TABLE II-2 CONFIGURATION 136 M = 1.00 Q = 923 $\alpha = 2.99^\circ$ $C_L = 0.3750$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
UPPER SURFACE													
.019	.162												
.057	-.074												
.076	-.193												
.080	-.172	-.658	-.123	-.021	-.617	.023	-.605	.025	-.560	.022	-.374	.018	-.366
.085	-.256	-.565	-.253	.035	-.763	.068	-.759	.079	-.663	.075	-.608	.077	-.597
.093	-.229	-.452	-.308	.105	-.682	.134	-.754	.133	-.684	.129	-.594	.129	-.592
.113	.057	-.311	-.386	.178	-.668	.209	-.745	.214	-.686	.201	-.629	.209	-.560
.115	.115	-.023	-.445	.286	-.524	.294	-.713	.295	-.653	.294	-.569	.293	-.550
.137	.109	.133	-.422	.396	-.500	.404	-.637	.407	-.649	.397	-.595	.396	-.557
.138	.123	.272	-.343	.514	-.427	.497	-.483	.502	-.637	.495	-.592	.494	-.558
.163	.077	.416	-.300	.618	-.385	.599	-.430	.601	-.646	.594	-.575	.590	-.555
.162	.085	.565	-.253	.733	-.377	.700	-.443	.698	-.478	.693	-.569	.693	-.090
.209	-.031	.713	-.192	.835	-.386	.782	-.475	.780	-.468	.784	-.161	.777	.003
.247	-.168	.854	-.208	.919	-.225	.864	-.353	.863	-.134	.856	-.113	.861	.014
.276	-.266	.980	-.229	.987	-.079	.926	-.134	.923	-.090	.926	-.039	.918	.022
.324	-.335	1.074	-.254			.975	-.115	.977	-.083	.977	-.072	.972	.100
.361	-.347	1.122	-.168										
.396	-.281												
.438	-.235												
.487	-.098												
LOWER SURFACE													
.518	-.056	-.658	.080	-.022	.262	.024	.106	.025	-.090	.019	-.036	.020	.128
.556	-.088	-.615	.061	.038	-.015	.075	-.169	.074	-.296	.066	-.356	.076	-.226
.574	-.150	-.572	.046	.101	-.120	.137	-.246	.130	-.329	.136	-.252	.136	-.230
.593	-.138	-.462	-.045	.185	-.196	.213	-.283	.214	-.309	.214	-.212	.221	-.247
.632	-.023	-.329	-.101	.289	-.240	.297	-.299	.298	-.282	.489	-.139	.295	-.196
.670	.001	-.172	-.168	.398	-.288	.400	-.298	.397	-.239	.594	-.091	.396	-.207
.747	-.016	-.030	-.214	.519	-.256	.498	-.247	.501	-.181	.700	.089	.497	-.185
.766	-.071	.128	-.211	.620	-.137	.604	-.156	.603	-.123	.786	.187	.597	-.037
.785	-.219	.418	-.213	.737	.029	.705	.021	.703	.084	.858	.244	.702	.112
.804	-.235	.564	-.215	.831	.127	.785	.124	.784	.206	.919	.255	.786	.194
.823	-.140	.710	-.065	.914	.172	.859	.156	.868	.272	.967	.156	.864	.242
.842	-.124	.857	.105	.986	.070	.922	.187	.923	.281			.912	.254
.861	-.062	.976	.170	1.012	-.071	.967	.095	.972	.152			.985	.153
.881	-.057	1.072	.036			1.000	-.080						
.900	-.078	1.110	.034										
.938	-.098												
CN =			.3923		.4024		.4198		.4385		.4001		.3143
CM =			.0475		-.0245		-.0476		-.0728		-.0633		-.0251

~~CONFIDENTIAL~~

TABLE II-3 CONFIGURATION 136 M = 1.00 Q = 923 $\alpha = 3.35^\circ$ $C_L = 0.4223$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
.019	.164												
.057	-.077												
.076	-.194												
.080	-.170	-.658	-.144	-.021	-.670	.023	-.630	.025	-.597	.022	-.443	.018	-.406
.085	-.261	-.565	-.262	.035	-.771	.068	-.783	.079	-.701	.075	-.650	.077	-.632
.093	-.226	-.452	-.306	.105	-.714	.134	-.777	.133	-.706	.129	-.639	.129	-.651
.113	.054	-.311	-.401	.178	-.678	.209	-.773	.214	-.720	.201	-.650	.209	-.632
.115	.116	-.023	-.448	.286	-.536	.294	-.751	.295	-.678	.294	-.609	.293	-.604
.137	.104	.133	-.427	.396	-.521	.404	-.703	.407	-.679	.397	-.624	.396	-.600
.138	.131	.272	-.345	.514	-.442	.497	-.585	.502	-.660	.495	-.618	.494	-.590
.163	.072	.416	-.310	.618	-.398	.599	-.449	.601	-.672	.594	-.608	.590	-.592
.162	.086	.565	-.250	.733	-.381	.700	-.453	.698	-.666	.693	-.393	.693	-.209
.209	-.029	.713	-.204	.835	-.384	.782	-.479	.780	-.371	.784	-.169	.777	-.061
.247	-.176	.854	-.209	.919	-.200	.864	-.316	.863	-.171	.856	-.137	.861	-.002
.276	-.268	.980	-.228	.987	-.075	.926	-.130	.923	-.136	.926	-.089	.918	.020
.324	-.337	1.074	-.253			.975	-.090	.977	-.108	.977	-.089	.972	.052
.361	-.346	1.122	-.163										
.396	-.282												
.438	-.238												
.487	-.101												
.518	-.062	-.658	.084	-.022	.271	.024	-.127	.025	-.020	.019	-.058	.020	.149
.556	-.097	-.615	.073	.038	.010	.075	-.140	.074	-.199	.066	-.210	.076	-.185
.574	-.156	-.572	.059	.101	-.090	.137	-.211	.130	-.250	.136	-.164	.136	-.216
.593	-.137	-.462	-.035	.185	-.173	.213	-.261	.214	-.243	.214	-.162	.221	-.195
.632	-.005	-.329	-.089	.289	-.213	.297	-.229	.298	-.257	.294	-.124	.295	-.204
.670	.021	-.172	-.159	.398	-.263	.400	-.212	.397	-.201	.594	-.092	.396	-.237
.747	-.012	-.030	-.206	.519	-.203	.498	-.237	.501	-.176	.700	.074	.497	-.224
.766	-.072	.128	-.105	.620	-.115	.604	-.144	.603	-.100	.786	.168	.597	-.072
.785	-.220	.418	-.206	.737	.044	.705	.032	.703	.062	.858	.227	.702	.086
.804	-.246	.564	-.203	.831	.141	.785	.139	.784	.199	.919	.254	.786	.174
.823	-.152	.710	-.037	.914	.185	.859	.192	.868	.256	.967	.146	.864	.208
.842	-.120	.857	.115	.986	.075	.922	.210	.923	.271			.912	.220
.861	-.065	.976	.179	1.012	-.070	.967	.104	.972	.143			.985	.111
.881	-.064	1.072	.145			1.000	-.077						
.900	-.082	1.110	.042										
.938	-.089												
CN =			.4227		.4378		.4756		.4962		.4382		.3503
CM =			.0532		-.0243		-.0486		-.0720		-.0514		-.0230

TABLE II-4 CONFIGURATION 136 M = 1.00 Q = 923 $\alpha = 3.68^\circ$ $C_L = 0.4632$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
.019	.154												
.057	-.078												
.076	-.200												
.080	-.175	-.658	-.150	-.021	-.723	.023	-.666	.025	-.616	.022	-.487	.018	-.444
.085	-.260	-.565	-.273	.035	-.819	.068	-.815	.079	-.721	.075	-.686	.077	-.664
.093	-.222	-.452	-.325	.105	-.789	.134	-.818	.133	-.730	.129	-.672	.129	-.682
.113	.044	-.311	-.403	.178	-.699	.209	-.802	.214	-.733	.201	-.687	.209	-.676
.115	.119	-.023	-.456	.286	-.577	.294	-.774	.295	-.700	.294	-.649	.293	-.643
.137	.100	.133	-.438	.396	-.538	.404	-.752	.407	-.703	.397	-.646	.396	-.631
.138	.123	.272	-.355	.514	-.459	.497	-.663	.502	-.691	.495	-.643	.494	-.631
.163	.074	.416	-.316	.618	-.417	.599	-.466	.601	-.703	.594	-.642	.590	-.612
.162	.091	.565	-.265	.733	-.393	.700	-.463	.698	-.705	.693	-.369	.693	-.290
.209	-.038	.713	-.207	.835	-.396	.782	-.493	.780	-.328	.784	-.201	.777	-.102
.247	-.174	.854	-.214	.919	-.196	.864	-.315	.863	-.229	.856	-.157	.861	-.036
.276	-.273	.980	-.244	.987	-.082	.926	-.137	.923	-.192	.926	-.154	.918	-.023
.324	-.340	1.074	-.267			.975	-.108	.977	-.210	.977	-.143	.972	.010
.361	-.351	1.122	-.173										
.396	-.289												
.438	-.242												
.487	-.107												
.518	-.070	-.658	.091	-.022	.284	.024	-.163	.025	.035	.019	.109	.020	.179
.556	-.102	-.615	.081	.038	.035	.075	-.117	.074	-.172	.066	-.149	.076	-.158
.574	-.143	-.572	.053	.101	-.076	.187	-.187	.130	-.213	.136	-.173	.136	-.207
.593	-.143	-.462	-.031	.185	-.169	.213	-.241	.214	-.230	.214	-.165	.221	-.206
.632	-.013	-.329	-.083	.289	-.209	.297	-.179	.298	-.222	.489	-.129	.295	-.217
.670	.018	-.172	-.155	.398	-.238	.400	-.207	.397	-.160	.594	-.110	.396	-.233
.747	-.014	-.030	-.199	.519	-.170	.498	-.227	.501	-.116	.700	.067	.497	-.252
.766	-.076	.128	-.180	.620	-.097	.604	-.138	.603	-.128	.786	.156	.597	-.084
.785	-.228	.418	-.197	.737	.052	.705	.041	.703	.058	.858	.223	.702	.077
.804	-.253	.564	-.198	.831	.146	.785	.147	.784	.192	.919	.236	.786	.154
.823	-.189	.710	-.022	.914	.191	.859	.203	.868	.258	.967	.127	.864	.194
.842	-.108	.857	.132	.986	.074	.922	.211	.923	.269			.912	.197
.861	-.060	.976	.189	1.012	-.083	.967	.104	.972	.123			.985	.063
.881	-.064	1.072	.152			1.000	-.088						
.900	-.086	1.110	.043										
.938	-.078												
CN =			.4546		.4779		.5196		.5408		.4653		.3820
CM =			.0540		-.0237		-.0494		-.0763		-.0512		-.0250

~~CONFIDENTIAL~~

TABLE II-5 CONFIGURATION 136 M = 1.00 Q = 923 $\alpha = 4.03^\circ$ $C_L = 0.5091$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
UPPER SURFACE													
.019	.152												
.057	-.089												
.076	-.201												
.080	-.175	-.658	-.168	-.021	-.755	.023	-.699	.025	-.673	.022	-.519	.018	-.508
.085	-.266	-.565	-.288	.035	-.885	.068	-.829	.079	-.760	.075	-.713	.077	-.697
.093	-.226	-.452	-.343	.105	-.845	.134	-.837	.133	-.777	.129	-.714	.129	-.714
.113	.041	-.311	-.413	.173	-.728	.209	-.827	.214	-.752	.201	-.730	.209	-.702
.115	.099	-.203	-.467	.286	-.599	.294	-.795	.295	-.735	.294	-.685	.293	-.679
.137	.096	.133	-.448	.396	-.546	.404	-.788	.407	-.732	.397	-.689	.396	-.662
.138	.124	.272	-.363	.514	-.473	.497	-.758	.502	-.719	.495	-.679	.494	-.663
.163	.068	.416	-.327	.618	-.424	.599	-.496	.601	-.729	.594	-.663	.590	-.653
.162	.079	.565	-.277	.733	-.405	.700	-.472	.698	-.735	.693	-.352	.693	-.521
.209	-.043	.713	-.221	.835	-.390	.782	-.505	.730	-.328	.784	-.221	.777	-.163
.247	-.177	.854	-.229	.919	-.184	.864	-.291	.863	-.288	.856	-.189	.861	-.085
.276	-.272	.980	-.251	.987	-.089	.926	-.143	.923	-.274	.926	-.184	.918	-.046
.324	-.347	1.074	-.271			.975	-.107	.977	-.286	.977	-.186	.972	-.013
.361	-.357	1.122	-.169										
.396	-.292												
.438	-.251												
.487	-.107												
LOWER SURFACE													
.518	-.073	-.658	.093	-.022	.295	.024	.207	.025	.076	.019	.143	.020	.197
.556	-.108	-.615	.089	.038	.050	.075	-.053	.074	-.103	.066	-.157	.076	-.150
.574	-.169	-.572	.073	.101	-.058	.137	-.152	.130	-.136	.136	-.159	.136	-.187
.593	-.145	-.462	-.024	.185	-.130	.213	-.138	.214	-.123	.214	-.120	.221	-.191
.632	-.007	-.329	-.077	.289	-.185	.297	-.158	.298	-.131	.489	-.145	.295	-.197
.670	.017	-.172	-.152	.398	-.191	.400	-.209	.397	-.164	.594	-.109	.396	-.227
.747	-.023	-.030	-.199	.519	-.145	.498	-.192	.501	-.178	.700	.057	.497	-.249
.766	-.078	.128	-.179	.620	-.070	.504	-.099	.603	-.113	.786	.156	.597	-.113
.785	-.231	.418	-.100	.737	.061	.705	.051	.703	.068	.858	.217	.702	.049
.804	-.264	.564	-.179	.831	.156	.785	.165	.784	.186	.919	.233	.786	.128
.823	-.204	.710	.006	.914	.206	.859	.211	.868	.253	.967	.109	.864	.168
.842	-.123	.857	.152	.986	.077	.922	.219	.923	.254			.912	.162
.861	-.062	.976	.199	1.012	-.074	.967	.105	.972	.105			.985	-.017
.881	-.067	1.072	.161										
.900	-.094	1.110	.049										
.938	-.071												
CN =			.4926		.5134		.5727		.5989		.4985		.4281
CM =			.0568		-.0223		-.0499		-.0768		-.0506		-.0287

TABLE II-6 CONFIGURATION 140 M = 1.00 Q = 923 $\alpha = 2.73^\circ$ $C_L = 0.3357$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
UPPER SURFACE													
.019	.217												
.057	-.060												
.076	-.223												
.080	-.158	-.658	-.133	-.021	-.621	.023	-.580	.025	-.533	.022	-.301	.018	-.257
.085	-.221	-.565	-.214	.035	-.725	.068	-.729	.079	-.625	.075	-.593	.077	-.544
.093	-.307	-.452	-.277	.105	-.663	.134	-.715	.133	-.646	.129	-.561	.129	-.521
.113	-.176	-.311	-.392	.178	-.536	.209	-.713	.214	-.646	.201	-.580	.209	-.503
.115	-.114	-.023	-.419	.286	-.496	.294	-.628	.295	-.622	.294	-.562	.293	-.503
.137	.145	.133	-.380	.396	-.494	.404	-.563	.407	-.592	.397	-.552	.396	-.485
.138	.185	.272	-.328	.514	-.425	.497	-.494	.502	-.594	.495	-.551	.494	-.498
.163	.106	.416	-.284	.618	-.374	.599	-.429	.601	-.530	.594	-.544	.590	-.521
.162	.194	.565	-.226	.733	-.364	.700	-.426	.698	-.465	.693	-.566	.693	-.034
.209	-.037	.713	-.192	.835	-.382	.782	-.477	.780	-.482	.784	-.173	.777	.020
.247	-.144	.854	-.203	.919	-.235	.864	-.423	.863	-.182	.856	-.092	.861	.015
.276	-.245	.980	-.231	.987	-.083	.926	-.147	.923	-.105	.926	-.021	.918	.027
.324	-.359	1.074	-.242			.975	-.104	.977	-.107	.977	-.004	.972	.107
.361	-.326	1.122	-.163										
.396	-.282												
.487	-.075												
LOWER SURFACE													
.518	-.053												
.556	-.100	-.658	-.087	-.022	.249	.024	.071	.025	-.116	.019	-.144	.020	.085
.574	-.146	-.615	.069	.038	-.041	.075	-.187	.074	-.313	.066	-.397	.076	-.220
.593	-.142	-.572	.051	.101	-.125	.137	-.272	.130	-.354	.136	-.316	.136	-.244
.670	.008	-.462	-.036	.185	-.213	.213	-.302	.214	-.363	.214	-.310	.221	-.229
.747	-.004	-.329	-.075	.289	-.240	.297	-.314	.298	-.315	.292	-.226	.295	-.232
.785	-.218	-.172	-.179	.398	-.294	.400	-.378	.397	-.216	.403	-.125	.396	-.204
.804	-.222	-.030	-.244	.519	-.306	.498	-.249	.501	-.237	.489	-.087	.497	-.201
.823	-.136	.128	-.252	.620	-.170	.604	-.163	.603	-.135	.594	-.087	.597	-.042
.842	-.126	.418	-.217	.737	.040	.705	.142	.703	.045	.700	.078	.702	.121
.861	-.053	.564	-.221	.831	.119	.785	.104	.784	.158	.786	.175	.786	.193
.900	-.071	.710	-.074	.914	.173	.859	.153	.868	.207	.858	.229	.864	.239
.938	-.091	.857	.099	.986	.064	.967	.095	.923	.219	.919	.245	.912	.266
		.976	.161	1.012	-.066	1.000	-.080	.972	.117	.967	.154	.985	.176
		1.072	.128										
		1.110	.031										
CN =			.3487		.3675		.3896		.3757		.3547		.2645
CM =			.0423		-.0265		-.0537		-.0659		-.0643		-.0265

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-7 CONFIGURATION 140 M = 1.00 Q = 923 $\alpha = 3.42^\circ$ $C_L = 0.4252$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.201												
.057	-.071												
.076	-.232												
.080	-.161	-.658	-.144	-.021	-.681	.023	-.624	.025	-.580	.022	-.422	.018	-.375
.085	-.227	-.565	-.250	.035	-.820	.068	-.777	.079	-.698	.075	-.654	.077	-.617
.093	-.309	-.452	-.286	.105	-.802	.134	-.767	.133	-.705	.129	-.622	.129	-.635
.113	-.156	-.311	-.415	.178	-.583	.209	-.766	.214	-.714	.201	-.657	.209	-.614
.115	-.062	-.023	-.437	.286	-.520	.294	-.733	.295	-.670	.294	-.626	.293	-.604
.137	.142	.133	-.387	.396	-.516	.404	-.696	.407	-.663	.397	-.608	.396	-.584
.138	.191	.272	-.336	.514	-.454	.497	-.558	.502	-.663	.495	-.601	.494	-.580
.163	.098	.416	-.303	.618	-.397	.599	-.455	.601	-.644	.594	-.584	.590	-.560
.162	.191	.565	-.249	.733	-.378	.700	-.447	.698	-.677	.693	-.428	.693	-.133
.209	-.038	.713	-.206	.835	-.395	.782	-.485	.780	-.342	.784	-.176	.777	-.033
.247	-.157	.854	-.215	.919	-.207	.864	-.364	.863	-.164	.856	-.140	.861	-.001
.276	-.250	.980	-.245	.987	-.077	.926	-.145	.923	-.152	.926	-.136	.918	.021
.324	-.366	1.074	-.255			.975	-.099	.977	-.132	.977	-.125	.972	.036
.361	-.335	1.122	-.160										
.396	-.289												
.487	-.090												
.518	-.063												
LOWER SURFACE													
.556	-.120	-.658	.091	-.022	.287	.024	.125	.025	.000	.019	.061	.020	.143
.574	-.159	-.615	.090	.038	.008	.075	-.131	.074	-.186	.066	-.164	.076	-.196
.593	-.149	-.572	.069	.101	-.095	.137	-.218	.130	-.231	.136	-.170	.136	-.201
.670	.022	-.462	-.013	.185	-.175	.213	-.254	.214	-.240	.214	-.158	.221	-.195
.747	-.007	-.329	-.062	.289	-.199	.297	-.220	.298	-.222	.292	-.164	.295	-.192
.785	-.222	-.172	-.164	.398	-.258	.400	-.239	.397	-.179	.403	-.184	.396	-.213
.804	-.246	-.030	-.231	.519	-.211	.498	-.239	.501	-.135	.489	-.137	.497	-.265
.823	-.177	.128	-.239	.620	-.124	.604	-.149	.603	-.086	.594	-.100	.597	-.107
.842	-.109	.418	-.197	.737	.066	.705	.149	.703	.052	.700	.059	.702	.071
.861	-.060	.564	-.203	.831	.148	.785	.137	.784	.175	.786	.159	.786	.171
.900	-.081	.710	-.037	.914	.193	.859	.194	.868	.224	.858	.218	.864	.197
.938	-.082	.857	.129	.986	.068	.967	.109	.923	.231	.919	.218	.912	.203
		.976	.184	1.012	-.071	1.000	-.084	.972	.108	.967	.109	.985	.118
		1.072	.147										
		1.110	.035										
CN =		.4123		.4433		.4796		.4954		.4294		.3246	
CM =		.0494		-.0249		-.0529		-.0676		-.0500		-.0178	

TABLE II-8 CONFIGURATION 140 M = 1.00 Q = 923 $\alpha = 3.74^\circ$ $C_L = 0.4642$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.194												
.057	-.076												
.076	-.234												
.080	-.167	-.658	-.170	-.021	-.743	.023	-.660	.025	-.627	.022	-.440	.018	-.426
.085	-.236	-.565	-.256	.035	-.850	.068	-.807	.079	-.711	.075	-.686	.077	-.649
.093	-.315	-.452	-.296	.105	-.835	.134	-.792	.133	-.721	.129	-.677	.129	-.665
.113	-.159	-.311	-.408	.178	-.595	.209	-.773	.214	-.721	.201	-.685	.209	-.659
.115	-.016	-.023	-.448	.286	-.534	.294	-.762	.295	-.704	.294	-.654	.293	-.606
.137	.135	.133	-.396	.396	-.543	.404	-.743	.407	-.669	.397	-.646	.396	-.617
.138	.179	.272	-.345	.514	-.469	.497	-.639	.502	-.677	.495	-.629	.494	-.612
.163	.095	.416	-.310	.618	-.429	.599	-.472	.601	-.682	.594	-.628	.590	-.602
.162	.181	.565	-.266	.733	-.399	.700	-.477	.698	-.701	.693	-.351	.693	-.187
.209	-.048	.713	-.214	.835	-.399	.782	-.498	.780	-.303	.784	-.211	.777	-.085
.247	-.159	.854	-.225	.919	-.203	.864	-.347	.863	-.239	.856	-.185	.861	-.048
.276	-.256	.980	-.257	.987	-.095	.926	-.156	.923	-.206	.926	-.156	.918	-.044
.324	-.372	1.074	-.262			.975	-.109	.977	-.217	.977	-.169	.972	-.025
.361	-.337	1.122	-.169										
.396	-.296												
.487	-.096												
.518	-.074												
LOWER SURFACE													
.556	-.126	-.658	.094	-.022	.293	.024	.147	.025	.041	.019	.106	.020	.138
.574	-.173	-.615	.090	.038	.026	.075	-.123	.074	-.156	.066	-.168	.076	-.160
.593	-.158	-.572	.070	.101	-.084	.137	-.182	.130	-.212	.136	-.175	.136	-.208
.670	.017	-.462	-.017	.185	-.168	.213	-.202	.214	-.215	.214	-.165	.221	-.200
.747	-.011	-.329	-.059	.289	-.186	.297	-.196	.298	-.142	.292	-.145	.295	-.205
.785	-.227	-.172	-.168	.398	-.241	.400	-.212	.397	-.141	.403	-.122	.396	-.215
.804	-.252	-.030	-.233	.519	-.177	.498	-.224	.501	-.158	.489	-.137	.497	-.276
.823	-.197	.128	-.225	.620	-.092	.604	-.150	.603	-.118	.594	-.122	.597	-.149
.842	-.108	.418	-.196	.737	.073	.705	.150	.703	.055	.700	.045	.702	.039
.861	-.061	.564	-.191	.831	.157	.785	.146	.784	.167	.786	.133	.786	.118
.900	-.088	.710	-.013	.914	.189	.859	.191	.868	.227	.858	.196	.864	.161
.938	-.085	.857	.139	.986	.066	.967	.102	.923	.231	.919	.207	.912	.189
		.976	.187	1.012	-.080	1.000	-.089	.972	.092	.967	.084	.985	.035
		1.072	.150										
		1.110	.048										
CN =		.4379		.4792		.5209		.5323		.4530		.3445	
CM =		.0467		-.0265		-.0531		-.0701		-.0479		-.0179	

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

TABLE II-9 CONFIGURATION 136 M = 1.00 Q = 600 $\alpha = 2.85^\circ$ $C_L = 0.3777$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
.019	.174												
.057	-.071												
.076	-.193												
.080	-.182	-.658	-.129	-.021	-.566	.023	-.593	.025	-.559	.022	-.381	.018	-.362
.085	-.259	-.565	-.250	.035	-.735	.068	-.746	.079	-.662	.075	-.602	.077	-.605
.093	-.233	-.452	-.306	.105	-.700	.134	-.735	.133	-.679	.129	-.585	.129	-.611
.113	.068	-.311	-.382	.178	-.633	.209	-.729	.214	-.682	.201	-.614	.209	-.565
.115	.119	-.023	-.440	.286	-.512	.294	-.665	.295	-.649	.294	-.574	.293	-.550
.137	.100	.133	-.412	.396	-.494	.404	-.607	.407	-.643	.397	-.586	.396	-.558
.138	.122	.272	-.333	.514	-.416	.497	-.558	.502	-.618	.495	-.593	.494	-.525
.163	.068	.416	-.298	.618	-.369	.599	-.387	.601	-.594	.594	-.586	.590	-.470
.162	.085	.565	-.241	.733	-.370	.700	-.419	.698	-.498	.693	-.605	.693	-.390
.209	-.031	.713	-.194	.835	-.378	.782	-.467	.780	-.473	.784	-.360	.777	-.106
.247	-.173	.854	-.201	.919	-.209	.864	-.420	.863	-.146	.856	-.172	.861	.026
.276	-.271	.980	-.227	.987	-.068	.926	-.104	.923	-.066	.926	-.059	.918	.029
.324	-.338	1.074	-.238			.975	-.064	.977	-.028	.977	.008	.972	.091
.361	-.347	1.122	-.149										
.396	-.280												
.438	-.231												
.487	-.094												
.518	-.062	-.658	.078	-.022	.240	.024	.081	.025	-.101	.019	.028	.020	.136
.556	-.095	-.615	.056	.038	-.023	.075	-.178	.074	-.295	.066	-.249	.076	-.172
.574	-.145	-.572	.036	.101	-.134	.137	-.261	.130	-.332	.136	-.177	.136	-.200
.593	-.128	-.462	-.059	.185	-.204	.213	-.304	.214	-.368	.214	-.155	.221	-.195
.632	-.013	-.329	-.106	.289	-.243	.297	-.307	.298	-.288	.489	-.093	.295	-.203
.670	.019	-.172	-.173	.398	-.299	.400	-.295	.397	-.225	.594	-.045	.396	-.207
.747	-.015	-.030	-.221	.519	-.267	.498	-.260	.501	-.175	.700	.115	.497	-.156
.766	-.072	.128	-.213	.620	-.146	.604	-.148	.603	-.054	.786	.211	.597	-.033
.785	-.222	.418	-.216	.737	.024	.705	.034	.703	.108	.858	.251	.702	.115
.804	-.236	.564	-.224	.831	.121	.785	.154	.784	.242	.919	.272	.785	.200
.823	-.143	.710	-.068	.914	.156	.859	.193	.868	.323	.967	.168	.864	.246
.842	-.134	.857	.094	.986	.075	.922	.214	.923	.330			.912	.254
.861	-.071	.976	.151	1.012	-.049	.967	.120	.972	.194			.985	.168
.881	-.071	1.072	.122			1.000	-.052						
.900	-.091	1.110	.027										
.938	-.082												
CN =			.3692		.3790		.4122		.4451		.4649		.3551
CM =			.0481		-.0234		-.0529		-.0796		-.0726		-.0348

TABLE II-10 CONFIGURATION 136 M = 1.00 Q = 600 $\alpha = 3.19^\circ$ $C_L = 0.4318$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
.019	.167												
.057	-.081												
.076	-.202												
.080	-.176	-.658	-.154	-.021	-.658	.023	-.632	.025	-.592	.022	-.441	.018	-.425
.085	-.264	-.565	-.266	.035	-.773	.068	-.783	.079	-.694	.075	-.652	.077	-.650
.093	-.227	-.452	-.316	.105	-.730	.134	-.776	.133	-.710	.129	-.652	.129	-.664
.113	.061	-.311	-.388	.178	-.685	.209	-.768	.214	-.705	.201	-.670	.209	-.644
.115	.122	-.023	-.448	.286	-.544	.294	-.702	.295	-.677	.294	-.620	.293	-.611
.137	.098	.133	-.425	.396	-.501	.404	-.674	.407	-.667	.397	-.620	.396	-.598
.138	.127	.272	-.340	.514	-.430	.497	-.634	.502	-.666	.495	-.618	.494	-.569
.163	.075	.416	-.303	.618	-.389	.599	-.408	.601	-.643	.594	-.623	.590	-.518
.162	.080	.565	-.249	.733	-.373	.700	-.431	.698	-.609	.693	-.634	.693	-.487
.209	-.034	.713	-.195	.835	-.379	.782	-.474	.780	-.518	.784	-.525	.777	-.215
.247	-.178	.854	-.211	.919	-.182	.864	-.350	.863	-.177	.856	-.223	.861	-.081
.276	-.268	.980	-.236	.987	-.061	.926	-.103	.923	-.099	.926	-.121	.918	.007
.324	-.344	1.074	-.243			.975	-.059	.977	-.051	.977	-.082	.972	.061
.361	-.347	1.122	-.143										
.396	-.283												
.438	-.235												
.487	-.102												
.518	-.061	-.658	.083	-.022	.264	.024	.126	.025	-.020	.019	.069	.020	.181
.556	-.101	-.615	.063	.038	.001	.075	-.148	.074	-.203	.066	-.180	.076	-.138
.574	-.153	-.572	.046	.101	-.101	.137	-.231	.130	-.255	.136	-.179	.136	-.181
.593	-.119	-.462	-.042	.185	-.188	.213	-.268	.214	-.182	.214	-.148	.221	-.176
.632	-.004	-.329	-.095	.289	-.226	.297	-.233	.298	-.165	.489	-.087	.295	-.185
.670	.022	-.172	-.164	.398	-.266	.400	-.246	.397	-.150	.594	-.049	.396	-.211
.747	-.019	-.030	-.214	.519	-.204	.498	-.241	.501	-.139	.700	.101	.497	-.199
.766	-.079	.128	-.203	.620	-.114	.604	-.141	.603	-.103	.786	.194	.597	-.071
.785	-.225	.418	-.207	.737	.042	.705	.062	.703	.104	.858	.252	.702	.076
.804	-.249	.564	-.204	.831	.138	.785	.177	.784	.247	.919	.264	.786	.167
.823	-.148	.710	-.049	.914	.180	.859	.215	.868	.325	.967	.134	.864	.208
.842	-.120	.857	.116	.986	.080	.922	.240	.923	.332			.912	.219
.861	-.069	.976	.164	1.012	-.053	.967	.131	.972	.212			.985	.079
.881	-.071	1.072	.138			1.000	-.036						
.900	-.086	1.110	.033										
.938	-.077												
CN =			.4067		.4268		.4604		.5346		.5242		.4025
CM =			.0525		-.0223		-.0522		-.0816		-.0796		-.0345

~~CONFIDENTIAL~~

TABLE II-11

CONFIGURATION 136

M = 1.00

Q = 600

$\alpha = 3.46^\circ$

$C_L = 0.4612$

$\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
UPPER SURFACE													
.019	.163												
.057	-.082												
.076	-.207												
.080	-.180	-.658	-.157	-.021	-.689	.023	-.646	.025	-.609	.022	-.473	.018	-.435
.085	-.263	-.565	-.266	.035	-.805	.068	-.796	.079	-.710	.075	-.668	.077	-.656
.093	-.233	-.452	-.333	.105	-.770	.134	-.795	.133	-.732	.129	-.663	.129	-.668
.113	.052	-.311	-.401	.178	-.704	.209	-.776	.214	-.724	.201	-.679	.209	-.656
.115	.101	-.023	-.460	.286	-.549	.294	-.744	.295	-.701	.294	-.635	.293	-.621
.137	.098	.133	-.432	.396	-.520	.404	-.716	.407	-.700	.397	-.638	.396	-.616
.138	.121	.272	-.343	.514	-.448	.497	-.659	.502	-.694	.495	-.639	.494	-.598
.163	.071	.416	-.307	.618	-.401	.599	-.449	.601	-.679	.594	-.647	.590	-.542
.162	.084	.565	-.257	.733	-.392	.700	-.456	.698	-.668	.693	-.640	.693	-.529
.209	-.032	.713	-.212	.835	-.390	.782	-.493	.780	-.642	.784	-.508	.777	-.399
.247	-.178	.854	-.220	.919	-.203	.864	-.400	.863	-.279	.856	-.302	.861	-.213
.276	-.268	.980	-.249	.987	-.087	.926	-.140	.923	-.170	.926	-.188	.918	-.130
.324	-.347	1.074	-.259			.975	-.084	.977	-.122	.977	-.122	.972	-.031
.361	-.350	1.122	-.170										
.396	-.288												
.438	-.239												
.487	-.109												
LOWER SURFACE													
.518	-.067	-.658	.085	-.022	.264	.024	.145	.025	.001	.019	.122	.020	.188
.556	-.105	-.615	.070	.038	.013	.075	-.125	.074	-.182	.066	-.163	.076	-.143
.574	-.157	-.572	.053	.101	-.093	.137	-.205	.130	-.218	.136	-.164	.136	-.177
.593	-.140	-.462	-.043	.185	-.178	.213	-.239	.214	-.241	.214	-.149	.221	-.183
.632	-.018	-.329	-.091	.289	-.214	.297	-.211	.298	-.242	.489	-.102	.295	-.186
.670	.002	-.172	-.161	.398	-.247	.400	-.236	.397	-.154	.594	-.070	.396	-.226
.747	-.021	-.030	-.202	.519	-.195	.498	-.242	.501	-.124	.700	.095	.497	-.238
.766	-.076	.128	-.198	.620	-.109	.604	-.158	.603	-.094	.786	.180	.597	-.104
.735	-.226	.418	-.203	.737	.047	.705	.039	.703	.095	.858	.228	.702	.051
.804	-.247	.564	-.198	.831	.138	.785	.153	.784	.246	.919	.245	.786	.131
.823	-.170	.710	-.038	.914	.175	.859	.215	.868	.325	.967	.114	.864	.176
.842	-.115	.857	.120	.986	.069	.922	.232	.923	.325			.912	.183
.861	-.067	.976	.175	1.012	-.068	.967	.107	.972	.178			.985	.008
.881	-.071	1.072	.136			1.000	-.078						
.900	-.094	1.110	.031										
.938	-.079												
CN =			.4351		.4541		.5003		.5732		.5398		.4316
CM =			.0539		-.0234		-.0536		-.0951		-.0805		-.0470

TABLE II-12

CONFIGURATION 136

M = 1.00

Q = 600

$\alpha = 4.05^\circ$

$C_L = 0.5382$

$\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
UPPER SURFACE													
.019	.152												
.057	-.089												
.076	-.210												
.080	-.178	-.658	-.177	-.021	-.754	.023	-.697	.025	-.680	.022	-.550	.018	-.515
.085	-.272	-.565	-.294	.035	-.371	.068	-.835	.079	-.765	.075	-.723	.077	-.709
.093	-.229	-.452	-.330	.105	-.827	.134	-.831	.133	-.775	.129	-.728	.129	-.723
.113	.054	-.311	-.416	.178	-.778	.209	-.827	.214	-.770	.201	-.734	.209	-.705
.115	.077	-.023	-.461	.285	-.618	.294	-.794	.295	-.735	.294	-.700	.293	-.690
.137	.098	.133	-.438	.396	-.540	.404	-.755	.407	-.737	.397	-.699	.396	-.676
.138	.124	.272	-.362	.514	-.468	.497	-.744	.502	-.735	.495	-.688	.494	-.642
.163	.068	.416	-.324	.618	-.424	.599	-.582	.601	-.732	.594	-.683	.590	-.603
.162	.080	.565	-.270	.733	-.409	.700	-.476	.698	-.732	.693	-.662	.693	-.580
.209	-.037	.713	-.222	.835	-.390	.782	-.507	.780	-.648	.784	-.615	.777	-.520
.247	-.184	.854	-.234	.919	-.174	.864	-.359	.863	-.377	.856	-.486	.861	-.401
.276	-.274	.980	-.260	.987	-.086	.926	-.146	.923	-.267	.926	-.399	.918	-.289
.324	-.350	1.074	-.276			.975	-.086	.977	-.247	.977	-.218	.972	-.134
.361	-.353	1.122	-.172										
.396	-.297												
.438	-.249												
.487	-.119												
LOWER SURFACE													
.518	-.083	-.658	.097	-.022	.297	.024	.200	.025	.096	.019	.163	.020	.240
.556	-.116	-.615	.081	.038	.044	.075	-.030	.074	-.085	.066	-.102	.076	-.097
.574	-.171	-.572	.071	.101	-.055	.137	-.112	.130	-.160	.136	-.104	.136	-.149
.593	-.152	-.462	-.024	.185	-.140	.213	-.151	.214	-.104	.214	-.101	.221	-.158
.632	-.020	-.329	-.071	.289	-.177	.297	-.167	.298	-.114	.489	-.100	.295	-.174
.670	.004	-.172	-.144	.398	-.194	.400	-.205	.397	-.163	.594	-.089	.396	-.218
.747	-.025	-.030	-.189	.519	-.159	.498	-.215	.501	-.138	.700	.069	.497	-.241
.766	-.079	.128	-.170	.620	-.083	.604	-.108	.603	-.099	.786	.163	.597	-.139
.785	-.230	.418	-.184	.737	.057	.705	.058	.703	.103	.858	.224	.702	.017
.804	-.258	.564	-.152	.831	.156	.785	.171	.784	.250	.919	.239	.786	.102
.823	-.211	.710	.004	.914	.195	.859	.225	.868	.310	.967	.098	.864	.146
.842	-.134	.857	.151	.986	.076	.922	.228	.923	.305			.912	.154
.861	-.065	.976	.189	1.012	-.072	.967	.110	.972	.123			.985	-.069
.881	-.070	1.072	.152			1.000	-.084						
.900	-.093	1.110	.044										
.938	-.069												
CN =			.4986		.5174		.5829		.6584		.6284		.5053
CM =			.0576		-.0202		-.0540		-.0979		-.0934		-.0570

~~CONFIDENTIAL~~

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

TABLE II-13 CONFIGURATION 136 M = 1.00 Q = 600 $\alpha = 4.65^\circ$ $C_L = 0.6069$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
.019	.151												
.057	-.093												
.076	-.211												
.080	-.177	-.658	-.207	-.021	-.803	.023	-.757	.025	-.734	.022	-.618	.018	-.582
.085	-.270	-.565	-.299	.035	-.942	.068	-.892	.079	-.819	.075	-.781	.077	-.762
.093	-.231	-.452	-.364	.105	-.899	.134	-.870	.133	-.835	.129	-.781	.129	-.779
.113	-.043	-.311	-.429	.178	-.861	.209	-.873	.214	-.814	.201	-.784	.209	-.754
.115	.089	-.023	-.482	.286	-.679	.294	-.840	.295	-.794	.294	-.749	.293	-.740
.137	.095	.133	-.453	.396	-.556	.404	-.801	.407	-.785	.397	-.758	.396	-.732
.138	.121	.272	-.373	.514	-.481	.497	-.808	.502	-.779	.495	-.747	.494	-.691
.163	.069	.416	-.338	.618	-.444	.599	-.726	.601	-.727	.594	-.724	.590	-.655
.162	.082	.565	-.285	.733	-.427	.700	-.514	.698	-.719	.693	-.680	.693	-.636
.209	-.046	.713	-.241	.835	-.377	.782	-.487	.780	-.522	.784	-.600	.777	-.548
.247	-.185	.854	-.250	.919	-.156	.864	-.255	.863	-.385	.856	-.452	.861	-.464
.276	-.279	.980	-.275	.987	-.086	.926	-.147	.923	-.337	.926	-.411	.918	-.381
.324	-.350	1.074	-.283			.975	-.093	.977	-.304	.977	-.401	.972	-.282
.361	-.357	1.122	-.179										
.396	-.301												
.438	-.255												
.487	-.127												
.518	-.086	-.658	.101	-.022	.324	.024	.275	.025	.199	.019	.224	.020	.269
.556	-.124	-.615	.087	.038	.069	.075	.022	.074	-.013	.066	-.035	.076	-.050
.574	-.179	-.572	.084	.101	-.027	.137	-.067	.130	-.055	.136	-.067	.136	-.129
.593	-.153	-.462	-.011	.185	-.098	.213	-.089	.214	-.097	.214	-.077	.221	-.144
.632	-.012	-.329	-.054	.289	-.057	.297	-.111	.298	-.123	.489	-.122	.295	-.168
.670	.015	-.172	-.139	.398	-.106	.400	-.157	.397	-.135	.594	-.111	.396	-.214
.747	-.030	-.030	-.176	.519	-.127	.498	-.147	.501	-.101	.700	.046	.497	-.249
.766	-.088	.128	-.150	.620	-.055	.604	-.081	.603	-.084	.786	.150	.597	-.159
.785	-.237	.418	-.170	.737	.075	.705	.056	.703	.090	.858	.210	.702	-.003
.804	-.277	.564	-.104	.831	.176	.785	.171	.784	.219	.919	.222	.786	.085
.823	-.233	.710	.043	.914	.217	.859	.233	.868	.276	.967	.074	.864	.128
.842	-.169	.857	.178	.986	.081	.922	.237	.923	.263			.912	.129
.861	-.079	.976	.208	1.012	-.055	.967	.112	.972	.074			.985	-.121
.881	-.075	1.072	.170			1.000	-.089						
.900	-.092	1.110	.054										
.938	-.053												
CM =		.5633		.5921		.6558		.6954		.6707		.5605	
CM =		.0612		-.0169		-.0516		-.0860		-.0894		-.0622	

TABLE II-14 CONFIGURATION 136 M = 0.99 Q = 923 $\alpha = -0.04^\circ$ $C_L = -0.0287$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
.019	.205												
.057	-.050												
.076	-.171												
.080	-.168	-.658	-.046	-.021	-.145	.023	-.259	.025	-.173	.022	.165	.018	.253
.085	-.225	-.565	-.179	.035	-.458	.068	-.396	.079	-.302	.075	-.027	.077	-.018
.093	-.225	-.452	-.239	.105	-.308	.134	-.391	.133	-.268	.129	-.038	.129	-.036
.113	.139	-.311	-.322	.178	-.347	.209	-.396	.214	-.234	.201	-.066	.209	-.082
.115	.158	-.023	-.392	.286	-.288	.294	-.355	.295	-.188	.294	-.060	.293	-.114
.137	.101	.133	-.354	.396	-.318	.404	-.226	.407	-.214	.397	-.083	.396	-.152
.138	.126	.272	-.269	.514	-.247	.497	-.227	.502	-.106	.495	-.122	.494	-.202
.163	.088	.416	-.223	.618	-.222	.599	-.258	.601	-.050	.594	-.178	.590	-.238
.162	.095	.565	-.146	.733	-.252	.700	-.328	.698	-.142	.693	-.253	.693	-.326
.209	-.007	.713	-.084	.835	-.283	.782	-.333	.780	-.242	.784	-.288	.777	-.446
.247	-.150	.854	-.103	.919	-.153	.864	-.054	.853	-.270	.856	-.369	.861	-.111
.276	-.248	.980	-.136	.987	.047	.926	.038	.923	-.079	.926	-.195	.918	.019
.324	-.316	1.074	-.133			.975	.119	.977	.058	.977	-.017	.972	.087
.361	-.317	1.122	-.040										
.396	-.244												
.438	-.175												
.487	-.001	-.658	.027	-.022	.067	.024	-.173	.025	-.408	.019	-.505	.020	-.504
.518	.024	-.615	-.005	.038	-.221	.075	-.428	.074	-.640	.066	-.762	.076	-.717
.556	-.025	-.572	-.041	.101	-.259	.137	-.498	.130	-.653	.136	-.706	.136	-.699
.574	-.037	-.462	-.109	.185	-.351	.213	-.504	.214	-.632	.214	-.671	.221	-.623
.593	.029	-.329	-.172	.289	-.379	.297	-.495	.298	-.598	.489	-.128	.295	-.329
.632	.071	-.172	-.231	.398	-.418	.400	-.525	.397	-.543	.594	-.092	.396	-.310
.670	.061	-.030	-.286	.519	-.477	.498	-.576	.501	-.023	.700	.060	.497	-.145
.747	-.028	.128	-.298	.620	-.280	.604	-.073	.603	.009	.786	.143	.597	.003
.766	-.087	.418	-.276	.737	-.043	.705	-.032	.703	.143	.858	.210	.702	.093
.785	-.254	.564	-.312	.831	.030	.785	.010	.734	.249	.919	.232	.786	.128
.804	-.296	.710	-.101	.914	.138	.859	.051	.868	.315	.967	.159	.864	.167
.823	-.248	.857	.015	.986	.148	.922	.137	.923	.322			.912	.167
.842	-.116	.976	.087	1.012	.072	.967	.189	.972	.211			.985	.070
.861	-.033	1.072	.110			1.000	.135						
.881	-.040	1.110	.044										
.900	-.062												
.938	-.045												
CM =		.1065		.0611		-.0015		-.0093		-.0843		-.0599	
CM =		.0318		-.0224		-.0313		-.0874		-.1137		-.0934	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-15 CONFIGURATION 136 M = 0.99 Q = 923 $\alpha = 1.37^\circ$ $C_L = 0.1616$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
.019	.191												
.057	-.056												
.076	-.181												
.080	-.176	-.658	-.083	-.021	-.371	.023	-.436	.025	-.415	.022	-.221	.018	.072
.085	-.248	-.565	-.206	.035	-.622	.068	-.627	.079	-.524	.075	-.429	.077	-.180
.093	-.225	-.452	-.278	.105	-.577	.134	-.578	.133	-.544	.129	-.337	.129	-.163
.113	.124	-.311	-.357	.178	-.484	.209	-.519	.214	-.486	.201	-.227	.209	-.162
.115	.147	-.023	-.417	.286	-.395	.294	-.472	.295	-.422	.294	-.001	.293	-.173
.137	.093	.133	-.402	.396	-.428	.404	-.444	.407	-.347	.397	.018	.396	-.196
.138	.117	.272	-.305	.514	-.315	.497	-.319	.502	-.285	.495	-.110	.494	-.243
.163	.070	.416	-.265	.618	-.292	.599	-.330	.601	-.252	.594	-.182	.590	-.285
.162	.084	.565	-.193	.733	-.305	.700	-.371	.698	-.017	.693	-.249	.693	-.365
.209	-.022	.713	-.142	.835	-.321	.782	-.428	.780	-.125	.784	-.366	.777	-.470
.247	-.164	.854	-.148	.919	-.161	.864	-.093	.863	-.193	.856	-.495	.861	-.089
.276	-.262	.980	-.178	.987	.007	.926	.025	.923	-.134	.926	-.130	.918	.023
.324	-.330	1.074	-.177			.975	.068	.977	.019	.977	-.028	.972	.074
.361	-.335	1.122	-.090										
.396	-.266												
.438	-.206												
.487	-.051												
.518	-.015	-.658	.049	-.022	.168	.024	-.039	.025	-.251	.019	-.047	.020	-.093
.556	-.053	-.615	.022	.038	-.118	.075	-.309	.074	-.464	.066	-.306	.076	-.434
.574	-.104	-.572	-.005	.101	-.202	.137	-.378	.130	-.510	.136	-.216	.136	-.406
.593	-.025	-.462	-.085	.185	-.278	.213	-.402	.214	-.454	.214	-.193	.221	-.315
.632	.068	-.329	-.142	.289	-.312	.297	-.397	.298	-.427	.489	-.119	.295	-.278
.670	.068	-.172	-.202	.398	-.360	.400	-.448	.397	.021	.594	-.082	.396	-.279
.747	-.021	-.030	-.255	.519	-.410	.498	-.454	.501	-.048	.700	.091	.497	-.270
.766	-.078	.128	-.261	.620	-.189	.604	-.079	.603	-.028	.786	.160	.597	-.016
.785	-.246	.418	-.246	.737	-.010	.705	-.076	.703	.126	.858	.200	.702	.129
.804	-.283	.564	-.272	.831	.093	.785	.143	.784	.248	.919	.208	.786	.208
.823	-.233	.710	-.133	.914	.162	.859	.180	.868	.315	.967	.133	.864	.243
.842	-.122	.857	.053	.986	.119	.922	.205	.923	.321			.912	.255
.861	-.049	.976	.134	1.012	.018	.967	.187	.972	.221			.985	.082
.881	-.056	1.072	.121			1.000	.073						
.900	-.076	1.110	.042										
.938	-.071												
CN =			.2399		.2234		.2007		.2144		.1515		.0917
CM =			.0392		-.0215		-.0417		-.0636		-.0677		-.0773

TABLE II-16 CONFIGURATION 136 M = 0.99 Q = 923 $\alpha = 2.74^\circ$ $C_L = 0.3609$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
.019	.159												
.057	-.081												
.076	-.204												
.080	-.184	-.658	-.153	-.021	-.555	.023	-.595	.025	-.568	.022	-.402	.018	-.399
.085	-.263	-.565	-.258	.035	-.742	.068	-.772	.079	-.657	.075	-.635	.077	-.623
.093	-.226	-.452	-.317	.105	-.689	.134	-.740	.133	-.673	.129	-.613	.129	-.641
.113	.118	-.311	-.399	.178	-.641	.209	-.747	.214	-.684	.201	-.619	.209	-.592
.115	.137	-.023	-.449	.286	-.471	.294	-.679	.295	-.641	.294	-.589	.293	-.573
.137	.083	.133	-.428	.396	-.484	.404	-.623	.407	-.618	.397	-.596	.396	-.566
.138	.113	.272	-.345	.514	-.413	.497	-.461	.502	-.587	.495	-.572	.494	-.558
.163	.062	.416	-.295	.618	-.361	.599	-.401	.601	-.375	.594	-.152	.590	-.113
.162	.072	.565	-.241	.733	-.355	.700	-.414	.698	-.395	.693	-.188	.693	-.085
.209	-.040	.713	-.184	.835	-.357	.782	-.469	.780	-.224	.784	-.186	.777	-.168
.247	-.187	.854	-.202	.919	-.149	.864	-.163	.863	-.123	.856	-.211	.861	-.186
.276	-.274	.980	-.220	.987	-.040	.926	-.041	.923	-.045	.926	-.121	.918	-.125
.324	-.350	1.074	-.225			.975	-.001	.977	.027	.977	.030	.972	.048
.361	-.356	1.122	-.117										
.396	-.290												
.438	-.236												
.487	-.087												
.518	-.050	-.658	.064	-.022	.234	.024	-.070	.025	-.006	.019	.030	.020	.134
.556	-.092	-.615	.044	.038	-.030	.075	-.195	.074	-.190	.066	-.226	.076	-.193
.574	-.141	-.572	.030	.101	-.137	.137	-.267	.130	-.214	.136	-.177	.136	-.217
.593	-.079	-.462	-.067	.185	-.220	.213	-.310	.214	-.245	.214	-.170	.221	-.200
.632	.036	-.329	-.117	.289	-.256	.297	-.321	.298	-.217	.489	-.100	.295	-.213
.670	.050	-.172	-.181	.398	-.296	.400	-.184	.397	-.194	.594	-.052	.396	-.203
.747	-.023	-.030	-.233	.519	-.214	.498	-.108	.501	-.070	.700	.115	.497	-.138
.766	-.086	.128	-.231	.620	-.110	.604	-.088	.603	-.075	.786	.211	.597	-.015
.785	-.241	.418	-.224	.737	.049	.705	.053	.703	.102	.858	.256	.702	.156
.804	-.270	.564	-.230	.831	.144	.785	.165	.784	.229	.919	.284	.786	.236
.823	-.189	.710	-.061	.914	.190	.859	.215	.868	.283	.967	.211	.864	.266
.842	-.137	.857	.104	.986	.103	.922	.239	.923	.290			.912	.277
.861	-.084	.976	.163	1.012	-.031	.967	.153	.972	.196			.985	.144
.881	-.078	1.072	.147			1.000	.015						
.900	-.094	1.110	.043										
.938	-.073												
CN =			.3698		.3781		.4215		.4225		.3795		.3437
CM =			.0485		-.0257		-.0463		-.0497		-.0453		-.0362

~~CONFIDENTIAL~~

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

TABLE II-17		CONFIGURATION 136		M = 0.99		Q = 923		$\alpha = 3.06^0$		$C_L = 0.4035$		$\beta = 0^0$	
STA	.044	STA	.133	STA	.307	STA	.480	STA	.653	STA	.804	STA	.933
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.162												
.057	-.080												
.076	-.201												
.080	-.179	-.658	-.147	-.021	-.631	.023	-.623	.025	-.588	.022	-.447	.018	-.418
.085	-.254	-.565	-.266	.035	-.767	.058	-.772	.079	-.691	.075	-.660	.077	-.648
.093	-.217	-.452	-.318	.105	-.733	.134	-.778	.133	-.696	.129	-.659	.129	-.652
.113	.113	-.311	-.400	.178	-.661	.209	-.765	.214	-.702	.201	-.656	.209	-.631
.115	.145	-.023	-.452	.285	-.510	.294	-.724	.295	-.658	.294	-.631	.293	-.595
.137	.084	.133	-.441	.396	-.505	.404	-.656	.407	-.655	.397	-.614	.396	-.592
.138	.115	.272	-.340	.514	-.424	.497	-.457	.502	-.642	.495	-.606	.494	-.589
.163	.062	.416	-.308	.618	-.377	.599	-.406	.601	-.572	.594	-.591	.590	-.399
.162	.077	.565	-.239	.733	-.367	.700	-.416	.698	-.425	.693	-.438	.693	-.002
.209	-.044	.713	-.187	.835	-.348	.782	-.457	.780	-.301	.784	-.178	.777	-.044
.247	-.185	.854	-.205	.919	-.136	.864	-.176	.863	-.113	.856	-.168	.861	-.124
.276	-.279	.980	-.232	.987	-.033	.926	-.057	.923	-.035	.926	-.080	.918	-.092
.324	-.349	1.074	-.222			.975	-.008	.977	.007	.977	.023	.972	.059
.361	-.356	1.122	-.118										
.396	-.291												
.438	-.235												
.487	-.094												
.518	-.057	-.658	.074	-.022	.257	.024	.106	.025	.024	.019	.065	.020	.160
.556	-.094	-.615	.055	.038	-.004	.075	-.182	.074	-.180	.066	-.217	.076	-.161
.574	-.146	-.572	.039	.101	-.105	.137	-.244	.130	-.218	.136	-.167	.136	-.202
.593	-.076	-.462	-.051	.185	-.199	.213	-.273	.214	-.235	.214	-.150	.221	-.191
.632	.041	-.329	-.107	.289	-.235	.297	-.089	.298	-.168	.489	-.104	.295	-.210
.670	.052	-.172	-.175	.398	-.281	.400	-.201	.397	-.169	.594	-.065	.396	-.199
.747	-.024	-.030	-.225	.519	-.179	.498	-.231	.501	-.125	.700	.107	.497	-.143
.766	-.081	.128	-.219	.620	-.087	.604	-.118	.603	-.079	.786	.201	.597	-.023
.785	-.236	.418	-.219	.737	.076	.705	.063	.703	.098	.858	.258	.702	.135
.804	-.265	.564	-.220	.831	.161	.785	.170	.784	.228	.919	.281	.786	.215
.823	-.177	.710	-.036	.914	.204	.859	.222	.868	.287	.967	.202	.864	.253
.842	-.133	.857	.133	.986	.104	.922	.242	.923	.294			.912	.268
.861	-.076	.976	.185	1.012	-.028	.967	.149	.972	.184			.985	.163
.881	-.075	1.072	.155			1.000	-.007						
.900	-.096	1.110	.061										
.938	-.061												
CN =			.3999		.4194		.4492		.4702		.4613		.3613
CM =			.0482		-.0243		-.0413		-.0557		-.0565		-.0284

TABLE II-18		CONFIGURATION 136		M = 0.99		Q = 923		$\alpha = 3.24^0$		$C_L = 0.4286$		$\beta = 0^0$	
STA	.044	STA	.133	STA	.307	STA	.480	STA	.653	STA	.804	STA	.933
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.158												
.057	-.083												
.076	-.209												
.080	-.182	-.658	-.160	-.021	-.685	.023	-.667	.025	-.631	.022	-.462	.018	-.420
.085	-.257	-.565	-.274	.035	-.783	.068	-.798	.079	-.717	.075	-.678	.077	-.675
.093	-.229	-.452	-.325	.105	-.736	.134	-.788	.133	-.728	.129	-.673	.129	-.671
.113	.123	-.311	-.406	.178	-.680	.209	-.782	.214	-.720	.201	-.683	.209	-.644
.115	.144	-.023	-.462	.286	-.533	.294	-.725	.295	-.683	.294	-.630	.293	-.618
.137	.088	.133	-.435	.396	-.512	.404	-.679	.407	-.683	.397	-.630	.396	-.610
.138	.107	.272	-.359	.514	-.433	.497	-.489	.502	-.651	.495	-.623	.494	-.612
.163	.062	.416	-.313	.618	-.391	.599	-.422	.601	-.657	.594	-.610	.590	-.585
.162	.072	.565	-.250	.733	-.380	.700	-.420	.698	-.467	.693	-.492	.693	-.089
.209	-.042	.713	-.198	.835	-.348	.782	-.466	.780	-.289	.784	-.190	.777	-.010
.247	-.183	.854	-.209	.919	-.136	.864	-.193	.863	-.111	.856	-.111	.861	-.056
.276	-.280	.980	-.232	.987	-.039	.926	-.068	.923	-.046	.926	-.056	.918	-.048
.324	-.353	1.074	-.230			.975	-.028	.977	-.010	.977	-.028	.972	.069
.361	-.357	1.122	-.120										
.396	-.290												
.438	-.241												
.487	-.101												
.518	-.057	-.658	.076	-.022	.266	.024	.111	.025	.036	.019	.071	.020	.170
.556	-.096	-.615	.059	.038	.002	.075	-.157	.074	-.171	.066	-.175	.076	-.164
.574	-.154	-.572	.045	.101	-.100	.137	-.224	.130	-.221	.136	-.162	.136	-.188
.593	-.074	-.462	-.050	.185	-.187	.213	-.136	.214	-.134	.214	-.155	.221	-.190
.632	.043	-.329	-.101	.289	-.231	.297	-.144	.298	-.164	.489	-.114	.295	-.200
.670	.050	-.172	-.173	.398	-.249	.400	-.225	.397	-.181	.594	-.066	.396	-.201
.747	-.028	-.030	-.217	.519	-.129	.498	-.231	.501	-.100	.700	.104	.497	-.158
.766	-.085	.128	-.204	.620	-.057	.604	-.086	.603	-.076	.786	.189	.597	-.035
.785	-.241	.418	-.215	.737	.078	.705	.068	.703	.096	.858	.250	.702	.120
.804	-.268	.564	-.196	.831	.166	.785	.172	.784	.221	.919	.282	.786	.205
.823	-.176	.710	-.011	.914	.203	.859	.218	.868	.287	.967	.186	.864	.249
.842	-.138	.857	.139	.986	.090	.922	.245	.923	.292			.912	.262
.861	-.081	.976	.194	1.012	-.032	.967	.148	.972	.178			.985	.163
.881	-.073	1.072	.163			1.000	-.006						
.900	-.098	1.110	.063										
.938	-.058												
CN =			.4296		.4456		.4758		.5061		.4719		.3840
CM =			.0495		-.0253		-.0418		-.0563		-.0547		-.0276

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-19 CONFIGURATION 136 M = 0.99 Q = 923 $\alpha = 3.39^\circ$ $C_L = 0.4475$ $\beta = 0^\circ$

STA	.044	STA	.133	STA	.307	STA	.480	STA	.653	STA	.804	STA	.933
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.157												
.057	-.087												
.076	-.210												
.080	-.178												
.085	-.264	-.658	-.148	-.021	-.703	.023	-.658	.025	-.637	.022	-.488	.018	-.445
.093	-.227	-.565	-.281	.035	-.804	.068	-.826	.079	-.734	.075	-.694	.077	-.682
.113	-.118	-.452	-.328	.105	-.757	.134	-.809	.133	-.747	.129	-.690	.129	-.700
.115	.144	-.311	-.411	.178	-.689	.209	-.796	.214	-.742	.201	-.702	.209	-.680
.137	.085	-.023	-.459	.286	-.506	.294	-.767	.295	-.694	.294	-.659	.293	-.642
.138	.108	.133	-.438	.396	-.520	.404	-.726	.407	-.685	.397	-.655	.396	-.641
.163	.062	.272	-.352	.514	-.439	.497	-.496	.502	-.676	.495	-.645	.494	-.631
.162	.072	.416	-.311	.618	-.391	.599	-.428	.601	-.673	.594	-.628	.590	-.609
.209	-.043	.565	-.255	.733	-.386	.700	-.434	.698	-.480	.693	-.570	.693	-.105
.247	-.186	.713	-.201	.835	-.355	.782	-.467	.780	-.285	.784	-.200	.777	-.008
.276	-.278	.854	-.210	.919	-.138	.864	-.203	.863	-.125	.856	-.114	.861	-.027
.324	-.353	.980	-.232	.987	-.050	.926	-.076	.923	-.052	.926	-.068	.918	-.028
.361	-.359	1.074	-.231			.975	-.024	.977	-.012	.977	-.050	.972	.067
.396	-.296	1.122	-.119										
.438	-.243												
.487	-.095												
.518	-.063												
.556	-.102	-.658	.079	-.022	.270	.024	.153	.025	.045	.019	.111	.020	.173
.574	-.155	-.615	.062	.038	.008	.075	-.092	.074	-.126	.066	-.158	.076	-.159
.593	-.081	-.572	.039	.101	-.105	.137	-.132	.130	-.150	.136	-.167	.136	-.196
.632	.037	-.462	-.054	.185	-.190	.213	-.156	.214	-.156	.214	-.167	.221	-.198
.670	.045	-.329	-.105	.289	-.231	.297	-.169	.298	-.177	.489	-.115	.295	-.214
.747	-.029	-.172	-.172	.398	-.255	.400	-.225	.397	-.195	.594	-.075	.396	-.221
.766	-.091	-.030	-.222	.519	-.140	.498	-.192	.501	-.078	.700	.089	.497	-.195
.785	-.247	.128	-.206	.620	-.081	.604	-.080	.603	-.090	.786	.183	.597	-.048
.804	-.271	.418	-.218	.737	.060	.705	.059	.703	.088	.858	.238	.702	.118
.823	-.168	.564	-.194	.831	.158	.785	.160	.784	.212	.919	.259	.786	.190
.842	-.135	.710	-.010	.914	.200	.859	.216	.868	.275	.967	.170	.864	.234
.861	-.078	.857	.144	.986	.098	.922	.229	.923	.283			.912	.246
.881	-.073	.976	.200	1.012	-.044	.967	.141	.972	.169			.985	.146
.900	-.098	1.072	.165			1.000	-.019						
.938	-.062	1.110	.056										
CN =			.4297		.4459		.5016		.5189		.4901		.3849
CH =			.0479		-.0234		-.0388		-.0539		-.0552		-.0229

TABLE II-20 CONFIGURATION 136 M = 0.99 Q = 923 $\alpha = 4.05^\circ$ $C_L = 0.5286$ $\beta = 0^\circ$

STA	.044	STA	.133	STA	.307	STA	.480	STA	.653	STA	.804	STA	.933
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.149												
.057	-.088												
.076	-.210												
.080	-.179												
.085	-.267	-.658	-.186	-.021	-.785	.023	-.733	.025	-.714	.022	-.556	.018	-.540
.093	-.228	-.565	-.294	.035	-.804	.068	-.866	.079	-.792	.075	-.755	.077	-.736
.113	-.115	-.452	-.343	.105	-.867	.134	-.850	.133	-.800	.129	-.751	.129	-.750
.115	.143	-.311	-.425	.178	-.733	.209	-.834	.214	-.785	.201	-.760	.209	-.726
.137	.077	-.023	-.480	.286	-.595	.294	-.799	.295	-.750	.294	-.710	.293	-.703
.138	.110	.133	-.454	.396	-.546	.404	-.796	.407	-.768	.397	-.711	.396	-.693
.163	.057	.272	-.367	.514	-.463	.497	-.759	.502	-.727	.495	-.714	.494	-.687
.162	.074	.416	-.331	.618	-.412	.599	-.493	.601	-.729	.594	-.683	.590	-.671
.209	-.052	.565	-.266	.733	-.396	.700	-.461	.698	-.752	.693	-.288	.693	-.393
.247	-.190	.713	-.224	.835	-.335	.782	-.481	.780	-.313	.784	-.208	.777	-.121
.276	-.285	.854	-.222	.919	-.130	.864	-.207	.863	-.283	.856	-.185	.861	-.029
.324	-.356	.980	-.252	.987	-.054	.926	-.098	.923	-.195	.926	-.171	.918	.001
.361	-.369	1.074	-.245			.975	-.054	.977	-.247	.977	-.162	.972	.045
.396	-.301	1.122	-.133										
.438	-.251												
.487	-.110												
.518	-.071												
.556	-.110	-.658	.079	-.022	.285	.024	.244	.025	.126	.019	.158	.020	.209
.574	-.161	-.615	.078	.038	.039	.075	-.017	.074	-.055	.066	-.102	.076	-.126
.593	-.085	-.572	.053	.101	-.061	.137	-.097	.130	-.111	.136	-.130	.136	-.175
.632	.035	-.462	-.037	.185	-.135	.213	-.100	.214	-.138	.214	-.130	.221	-.178
.670	.037	-.329	-.082	.289	-.094	.297	-.127	.298	-.150	.489	-.131	.295	-.203
.747	-.039	-.172	-.158	.398	-.116	.400	-.164	.397	-.144	.594	-.090	.396	-.225
.766	-.095	-.030	-.204	.519	-.114	.498	-.144	.501	-.092	.700	.062	.497	-.221
.785	-.248	.128	-.179	.620	-.060	.604	-.086	.603	-.097	.786	.161	.597	-.097
.804	-.277	.418	-.187	.737	.078	.705	.059	.703	.076	.858	.216	.702	.087
.823	-.184	.564	-.113	.831	.181	.785	.174	.784	.208	.919	.232	.786	.148
.842	-.126	.710	.041	.914	.221	.859	.230	.868	.255	.967	.122	.864	.189
.861	-.082	.857	.172	.986	.096	.922	.242	.923	.266			.912	.186
.881	-.082	.976	.215	1.012	-.049	.967	.133	.972	.115			.985	.038
.900	-.103	1.072	.175			1.000	-.041						
.938	-.048	1.110	.065										
CN =			.5107		.5358		.5946		.6266		.5184		.4374
CH =			.0518		-.0184		-.0428		-.0732		-.0458		-.0211

~~CONFIDENTIAL~~

TABLE II-21			CONFIGURATION 136				M = 0.99		Q = 923		$\alpha = 5\ 36^{\circ}$		$C_L = 0.6767$		$\beta = 0^{\circ}$	
STA	.044	STA	.133	STA	.307	STA	.480	STA	.653	STA	.804	STA	.933			
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP			
.019	.135															
.057	-.102															
.076	-.225															
.080	-.181	-.658	-.225	-.021	-.897	.023	-.858	.025	-.822	.022	-.729	.018	-.661			
.085	-.277	-.565	-.346	.035	-1.039	.068	-.962	.079	-.901	.075	-.857	.077	-.824			
.093	-.229	-.452	-.386	.105	-1.014	.134	-.958	.133	-.894	.129	-.848	.129	-.839			
.113	.108	-.311	-.456	.178	-.968	.209	-.938	.214	-.891	.201	-.857	.209	-.823			
.115	.181	-.023	-.497	.286	-.687	.294	-.916	.295	-.852	.294	-.816	.293	-.797			
.137	.075	.133	-.476	.396	-.584	.404	-.896	.407	-.852	.397	-.810	.396	-.797			
.138	.099	.272	-.392	.514	-.500	.497	-.887	.502	-.846	.495	-.800	.494	-.781			
.163	.052	.416	-.339	.618	-.443	.599	-.800	.601	-.844	.594	-.735	.590	-.773			
.162	.058	.565	-.287	.733	-.426	.700	-.544	.698	-.638	.693	-.400	.693	-.730			
.209	-.064	.713	-.229	.835	-.322	.782	-.373	.780	-.387	.784	-.336	.777	-.361			
.247	-.205	.854	-.242	.919	-.125	.864	-.228	.863	-.380	.856	-.269	.861	-.234			
.276	-.300	.980	-.264	.987	-.065	.926	-.157	.923	-.384	.926	-.251	.918	-.169			
.324	-.365	1.074	-.274			.975	-.139	.977	-.382	.977	-.230	.972	-.118			
.361	-.376	1.122	-.155													
.396	-.319															
.438	-.272															
.487	-.118	-.658	.100	-.022	.384	.024	.346	.025	.261	.019	.268	.020	.271			
.518	-.073	-.615	.099	.038	.170	.075	.112	.074	.055	.066	-.016	.076	-.051			
.556	-.116	-.572	.083	.101	.062	.137	.023	.130	-.024	.136	-.057	.136	-.130			
.574	-.174	-.462	.003	.185	.016	.213	-.039	.214	-.053	.214	-.087	.221	-.160			
.593	-.094	-.329	-.051	.289	-.011	.297	-.046	.298	-.081	.489	-.135	.295	-.184			
.632	.023	-.172	-.133	.398	-.059	.400	-.095	.397	-.084	.594	-.127	.396	-.227			
.670	.015	-.030	-.164	.519	-.051	.498	-.098	.501	-.097	.700	.027	.497	-.244			
.747	-.066	.128	-.125	.620	-.026	.604	-.062	.603	-.103	.786	.133	.597	-.151			
.766	-.111	.418	-.073	.737	.100	.705	.068	.703	.054	.858	.201	.702	.000			
.785	-.255	.564	-.016	.831	.206	.785	.187	.784	.165	.919	.221	.786	.075			
.804	-.281	.710	.091	.914	.239	.859	.230	.868	.235	.967	.082	.864	.118			
.823	-.204	.857	.211	.986	.101	.922	.235	.923	.228			.912	.121			
.842	-.122	.976	.239	1.012	-.057	.967	.106	.972	.062			.985	-.119			
.861	-.086	1.072	.184			1.000	-.104									
.881	-.090	1.110	.078													
.900	-.111															
.938	-.022															
CN =			.6436		.6741		.7416		.7398		.6240		.5619			
CM =			.0700		-.0054		-.0450		-.0726		-.0468		-.0377			

TABLE II-22		CONFIGURATION 136				M = 0.99		Q = 923		$\alpha = 6\ 59^{\circ}$		$C_L = 0\ 7888$		$\beta = 0^{\circ}$	
STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP		
UPPER SURFACE															
.019	.113														
.057	-.124														
.076	-.234														
.080	-.182	-.658	-.285	-.021	-.992	.023	-.949	.025	-.918	.022	-.823	.018	-.750		
.085	-.285	-.565	-.399	.035	-1.122	.068	-1.051	.079	-.988	.075	-.936	.077	-.907		
.093	-.238	-.452	-.438	.105	-1.118	.134	-1.040	.133	-.997	.129	-.932	.129	-.917		
.113	.093	-.311	-.505	.178	-1.106	.209	-1.012	.214	-.972	.201	-.934	.209	-.897		
.115	.128	-.023	-.526	.286	-1.013	.294	-.994	.295	-.939	.294	-.889	.293	-.869		
.137	.067	.133	-.506	.396	-.681	.404	-.992	.407	-.935	.397	-.896	.396	-.863		
.138	.095	.272	-.411	.514	-.530	.497	-.987	.502	-.925	.495	-.870	.494	-.856		
.163	.035	.416	-.365	.618	-.476	.599	-.969	.601	-.914	.594	-.690	.590	-.842		
.162	.053	.565	-.300	.733	-.451	.700	-.646	.698	-.477	.693	-.468	.693	-.836		
.209	-.075	.713	-.248	.835	-.336	.782	-.448	.780	-.451	.784	-.355	.777	-.709		
.247	-.219	.854	-.267	.919	-.148	.864	-.333	.863	-.435	.856	-.303	.861	-.388		
.276	-.306	.980	-.294	.987	-.084	.926	-.309	.923	-.430	.926	-.283	.918	-.344		
.324	-.379	1.074	-.316			.975	-.266	.977	-.426	.977	-.268	.972	-.298		
.361	-.393	1.122	-.183												
.396	-.330														
.438	-.280														
.487	-.108														
LOWER SURFACE															
.518	-.073	-.658	.106	-.022	.411	.024	.403	.025	.327	.019	.326	.020	.325		
.556	-.130	-.615	.115	.038	.249	.075	.176	.074	.132	.066	.052	.076	.007		
.574	-.192	-.572	.108	.101	.144	.137	.083	.130	.050	.136	-.011	.136	-.078		
.593	-.135	-.462	.029	.185	.089	.213	.032	.214	-.011	.214	-.043	.221	-.132		
.632	.000	-.329	-.019	.289	.047	.297	.003	.298	-.041	.489	-.127	.295	-.161		
.670	-.009	-.172	-.107	.398	.002	.400	-.055	.397	-.064	.594	-.130	.396	-.213		
.747	-.082	-.030	-.134	.519	-.018	.498	-.057	.501	-.088	.700	.015	.497	-.250		
.766	-.131	.128	-.055	.620	.007	.604	-.047	.603	-.109	.786	.118	.597	-.187		
.785	-.284	.418	-.019	.737	.117	.705	.071	.703	.035	.858	.184	.702	-.037		
.804	-.295	.564	.020	.831	.222	.785	.175	.784	.154	.919	.207	.786	.038		
.823	-.219	.710	.120	.914	.248	.859	.228	.868	.220	.967	.049	.864	.083		
.842	-.129	.857	.233	.986	.100	.922	.229	.923	.217			.912	.081		
.861	-.100	.976	.255	1.012	-.064	.967	.079	.972	.049			.985	-.218		
.881	-.106	1.072	.196			1.000	-.175								
.900	-.124	1.110	.082												
.938	-.012														
CN =			.7643		.8076		.8724		.8112		.6894		.6739		
CM =			.0946		.0001		-.0605		-.0662		-.0417		-.0566		

~~CONFIDENTIAL~~

TABLE II-23		CONFIGURATION 136				M = 0.99		Q = 923		$\alpha = 7.76^\circ$		$C_L = 0.8829$		$\beta = 0^\circ$	
STA	.044	STA	.133	STA	.307	STA	.480	STA	.653	STA	.804	STA	.933		
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.100														
.057	-.129														
.076	-.237														
.080	-.183														
.085	-.295	-.658	-.329	-.021	-1.072	.023	-1.021	.025	-1.013	.022	-.914	.018	-.837		
.093	-.245	-.565	-.440	.035	-1.203	.068	-1.114	.079	-1.058	.075	-1.004	.077	-.981		
.113	.088	-.452	-.466	.105	-1.202	.134	-1.105	.133	-1.054	.129	-.995	.129	-.992		
.115	.107	-.311	-.536	.178	-1.184	.209	-1.077	.214	-1.036	.201	-.982	.209	-.954		
.137	.060	-.023	-.557	.286	-1.121	.294	-1.054	.295	-1.003	.294	-.957	.293	-.934		
.138	.088	.133	-.517	.396	-.868	.404	-1.035	.407	-.967	.397	-.905	.396	-.910		
.163	.037	.272	-.422	.514	-.729	.497	-1.022	.502	-.966	.495	-.926	.494	-.913		
.162	.048	.416	-.360	.618	-.542	.599	-.732	.601	-.682	.594	-.773	.590	-.894		
.209	-.090	.565	-.304	.733	-.453	.700	-.592	.698	-.514	.693	-.539	.693	-.499		
.247	-.230	.713	-.268	.835	-.381	.782	-.502	.780	-.484	.784	-.431	.777	-.590		
.276	-.317	.854	-.284	.919	-.199	.864	-.430	.863	-.493	.856	-.387	.861	-.452		
.324	-.392	.980	-.309	.987	-.095	.926	-.375	.923	-.483	.926	-.360	.918	-.383		
.361	-.403	1.074	-.327			.975	-.351	.977	-.477	.977	-.336	.972	-.371		
.396	-.345	1.122	-.202												
.438	-.269														
.487	-.108														
.518	-.082														
.556	-.146	-.658	.108	-.022	.450	.024	.472	.025	.390	.019	.382	.020	.383		
.574	-.205	-.615	.122	.038	.311	.075	.260	.074	.190	.066	.115	.076	.073		
.593	-.158	-.572	.118	.101	.214	.137	.152	.130	.086	.136	.038	.136	-.035		
.632	-.022	-.462	.053	.185	.158	.213	.092	.214	.047	.214	-.009	.221	-.090		
.670	-.026	-.329	.009	.289	.104	.297	.047	.298	.006	.489	-.115	.295	-.130		
.747	-.095	-.172	-.078	.398	.051	.400	-.014	.397	-.045	.594	-.135	.396	-.200		
.766	-.142	-.030	-.053	.519	.024	.498	-.032	.501	-.074	.700	.001	.497	-.261		
.785	-.283	.128	.012	.620	.031	.604	-.034	.603	-.107	.786	.104	.597	-.205		
.804	-.315	.418	.028	.737	.132	.705	.056	.703	.023	.858	.179	.702	-.068		
.823	-.217	.564	.067	.831	.235	.785	.158	.784	.140	.919	.192	.786	.011		
.842	-.132	.710	.150	.914	.257	.859	.214	.868	.210	.967	.007	.864	.059		
.861	-.104	.857	.254	.986	.107	.922	.203	.923	.204			.912	.053		
.881	-.117	.976	.269	1.012	-.074	.967	.032	.972	.022			.985	-.273		
.900	-.136	1.072	.203			1.000	-.306								
.938	-.019	1.110	.080												
CN +			.8655		.9413		.9151		.8519		.7649		.6855		
CN -			.1169		-.0039		-.0523		-.0591		-.0468		-.0359		

TABLE II-24		CONFIGURATION 136				M = 0.99		Q = 923		$\alpha = 8.03^\circ$		$C_L = 0.8868$		$\beta = 0^\circ$	
STA	.044	STA	.133	STA	.307	STA	.480	STA	.653	STA	.804	STA	.933		
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.098														
.057	-.135														
.076	-.240														
.080	-.189														
.085	-.290	-.658	-.346	-.021	-1.086	.023	-1.050	.025	-1.030	.022	-.928	.018	-.848		
.093	-.241	-.565	-.454	.035	-1.205	.068	-1.134	.079	-1.085	.075	-1.001	.077	-.950		
.113	.095	-.452	-.491	.105	-1.216	.134	-1.111	.133	-1.063	.129	-.967	.129	-.977		
.115	.109	-.311	-.541	.178	-1.186	.209	-1.080	.214	-1.027	.201	-.913	.209	-.954		
.137	.059	-.023	-.551	.286	-1.108	.286	-1.060	.295	-.091	.294	-.796	.293	-.915		
.138	.089	.133	-.503	.396	-.891	.404	-1.045	.407	-.802	.397	-.669	.396	-.865		
.163	.046	.272	-.419	.514	-.786	.497	-.986	.502	-.737	.495	-.627	.494	-.805		
.162	.043	.416	-.366	.618	-.662	.599	-.934	.601	-.628	.594	-.541	.590	-.714		
.219	-.087	.565	-.309	.733	-.581	.700	-.640	.698	-.534	.693	-.488	.693	-.776		
.247	-.230	.713	-.261	.835	-.376	.782	-.474	.780	-.483	.784	-.449	.777	-.526		
.276	-.320	.854	-.289	.919	-.212	.864	-.471	.863	-.496	.856	-.432	.861	-.406		
.324	-.394	.980	-.313	.987	-.093	.926	-.458	.923	-.449	.926	-.372	.918	-.383		
.361	-.400	1.074	-.337			.975	-.412	.977	-.424	.977	-.371	.972	-.367		
.396	-.338	1.122	-.200												
.438	-.265														
.487	-.108														
.518	-.081														
.556	-.146	-.658	.112	-.022	.449	.024	.474	.025	.428	.019	.397	.020	.407		
.574	-.204	-.615	.126	.038	.319	.075	.272	.074	.226	.066	.133	.076	.092		
.593	-.185	-.572	.132	.101	.236	.137	.157	.130	.136	.136	.057	.136	-.029		
.632	-.028	-.462	.072	.185	.162	.213	.079	.214	.061	.214	-.005	.221	-.085		
.670	-.024	-.329	.025	.289	.124	.297	.048	.298	.020	.489	-.107	.295	-.127		
.747	-.094	-.172	-.052	.398	.074	.400	-.012	.397	-.034	.594	-.130	.396	-.194		
.766	-.141	-.030	-.034	.519	.047	.498	-.029	.501	-.067	.700	.006	.497	-.257		
.785	-.287	.128	.026	.620	.053	.604	-.034	.603	-.104	.786	.104	.597	-.212		
.804	-.266	.418	.025	.737	.140	.705	.054	.703	.028	.858	.173	.702	-.068		
.823	-.205	.564	.067	.831	.244	.785	.156	.784	.144	.919	.190	.786	.011		
.842	-.152	.710	.162	.914	.270	.859	.215	.868	.213	.967	.020	.864	.058		
.861	-.112	.857	.260	.986	.119	.922	.201	.923	.007			.912	.044		
.881	-.117	.976	.273	1.012	-.057	.967	.022	.972				.985	-.273		
.900	-.137	1.072	.210			1.000	-.339								
.938	-.017	1.110	.084												
CN +			.8891		.9935		.9495		.8175		.6750		.6686		
CN -			.1272		-.0159		-.0621		-.0486		-.0396		-.0340		

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-25 CONFIGURATION 140 M = 0.99 Q = 923 $\alpha = 0.11^\circ$ $C_L = -0.0028$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.248												
.057	-.029												
.076	-.200												
.080	-.149	-.658	-.043	-.021	-.142	.023	-.277	.025	-.192	.022	.152	.018	-.258
.085	-.196	-.565	-.162	.035	-.429	.068	-.415	.079	-.329	.075	-.047	.077	-.028
.093	-.310	-.452	-.221	.105	-.356	.134	-.389	.133	-.329	.129	-.041	.129	-.042
.113	.074	-.311	-.341	.178	-.353	.209	-.400	.214	-.285	.201	-.057	.209	-.080
.115	.048	-.023	-.367	.286	-.334	.294	-.378	.295	-.204	.294	-.061	.293	-.113
.137	.134	.133	-.324	.396	-.364	.404	-.238	.407	-.197	.397	-.065	.396	-.145
.138	.166	.272	-.273	.514	-.258	.497	-.242	.502	-.096	.495	-.118	.494	-.200
.163	.108	.416	-.221	.618	-.236	.599	-.265	.601	-.051	.594	-.163	.590	-.258
.162	.193	.565	-.141	.733	-.260	.700	-.330	.698	-.117	.693	-.246	.693	-.336
.209	-.024	.713	-.105	.835	-.298	.782	-.337	.780	-.220	.784	-.353	.777	-.443
.247	-.124	.854	-.120	.919	-.141	.864	-.044	.863	-.270	.856	-.402	.861	-.089
.276	-.222	.980	-.161	.987	.049	.926	.044	.923	-.146	.926	-.157	.918	.026
.374	-.347	1.074	-.147			.975	.118	.977	.013	.977	-.016	.972	.088
.361	-.304	1.122	-.065										
.396	-.248												
.487	-.003												
LOWER SURFACE													
.518	.007												
.556	-.040	-.658	.026	-.022	.050	.024	-.191	.025	-.413	.019	-.491	.020	-.507
.574	-.065	-.615	-.009	.038	-.250	.075	-.443	.074	-.588	.066	-.728	.076	-.708
.593	.013	-.572	-.027	.101	-.261	.137	-.510	.130	-.623	.136	-.668	.136	-.662
.670	.074	-.462	-.107	.185	-.363	.213	-.516	.214	-.623	.214	-.517	.221	-.639
.747	-.017	-.329	-.146	.289	-.362	.297	-.495	.298	-.614	.292	-.128	.295	-.305
.785	-.253	-.172	-.246	.398	-.431	.400	-.519	.397	-.423	.403	-.163	.396	-.295
.804	-.291	-.030	-.317	.519	-.487	.498	-.579	.501	.007	.489	-.147	.497	-.172
.823	-.253	.128	-.347	.620	-.305	.604	-.074	.603	.014	.594	-.094	.597	.010
.842	-.104	.418	-.291	.737	-.023	.705	.148	.703	.122	.700	.049	.702	.113
.861	-.033	.564	-.294	.831	.042	.785	.006	.784	.157	.786	.137	.786	.156
.900	-.061	.710	-.197	.914	.140	.859	.004	.868	.199	.858	.181	.864	.189
.938	-.043	.857	.003	.986	.140	.967	.147	.923	.195	.919	.184	.912	.200
		.976	.084	1.012	.053	1.000	.120	.972	.177	.967	.142	.985	.101
		1.072	.084										
		1.110	.026										
CN =			.0869		.0673		.0096		-.0941		-.0257		-.0471
CM =			.0237		-.0254		-.0324		-.0740		-.1008		-.0966

TABLE II-26 CONFIGURATION 140 M = 0.99 Q = 923 $\alpha = 1.46^\circ$ $C_L = 0.1725$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.233												
.057	-.048												
.076	-.215												
.080	-.159	-.658	-.085	-.021	-.398	.023	-.452	.025	-.412	.022	-.177	.018	.085
.085	-.212	-.565	-.199	.035	-.658	.068	-.623	.079	-.513	.075	-.411	.077	-.175
.093	-.312	-.452	-.249	.105	-.480	.134	-.574	.133	-.545	.129	-.399	.129	-.171
.113	.071	-.311	-.367	.178	-.438	.209	-.532	.214	-.481	.201	-.330	.209	-.160
.115	.050	-.023	-.398	.286	-.423	.294	-.503	.295	-.435	.294	.059	.293	-.160
.137	.130	.133	-.351	.396	-.427	.404	-.465	.407	-.392	.397	-.003	.396	-.185
.138	.169	.272	-.309	.514	-.362	.497	-.330	.502	-.273	.495	-.063	.494	-.237
.163	.100	.416	-.264	.618	-.301	.599	-.314	.601	-.320	.594	-.146	.590	-.284
.162	.189	.565	-.195	.733	-.312	.700	-.367	.698	-.093	.693	-.243	.693	-.360
.209	-.034	.713	-.150	.835	-.346	.782	-.431	.780	-.042	.784	-.360	.777	-.465
.247	-.142	.854	-.157	.919	-.164	.864	-.093	.863	-.110	.856	-.476	.861	-.070
.276	-.238	.980	-.190	.987	-.000	.926	.016	.923	-.106	.926	-.146	.918	.021
.224	-.259	1.074	-.186			.975	.070	.977	.016	.977	-.033	.972	.071
.361	-.323	1.122	-.096										
.396	-.267												
.487	-.045												
LOWER SURFACE													
.518	.019												
.556	-.076	-.658	.057	-.022	.188	.024	-.044	.025	-.265	.019	-.147	.020	-.109
.574	-.112	-.615	.031	.038	-.125	.075	-.314	.074	-.472	.066	-.301	.076	-.344
.593	-.055	-.572	.014	.101	-.207	.137	-.382	.130	-.496	.136	-.197	.136	-.357
.670	.078	-.462	-.070	.185	-.274	.213	-.396	.214	-.500	.214	-.176	.221	-.310
.747	-.013	-.329	-.120	.289	-.302	.297	-.403	.298	-.457	.292	-.125	.295	-.271
.785	-.244	-.172	-.210	.398	-.353	.400	-.449	.397	-.030	.403	-.131	.396	-.257
.804	-.275	-.030	-.285	.519	-.411	.498	-.430	.501	-.024	.489	-.077	.497	-.256
.823	-.230	.128	-.294	.620	-.207	.604	-.061	.603	-.048	.594	-.069	.597	-.025
.842	-.106	.418	-.246	.737	.022	.705	.152	.703	.114	.700	.087	.702	.126
.861	-.048	.564	-.250	.831	.093	.785	.147	.784	.227	.786	.157	.786	.194
.900	-.074	.710	-.133	.914	.172	.859	.178	.868	.271	.858	.193	.864	.233
.938	-.053	.857	.053	.986	.115	.967	.181	.923	.283	.919	.203	.912	.246
		.976	.137	1.012	.020	1.000	.074	.972	.203	.967	.133	.985	.099
		1.072	.116										
		1.110	.033										
CN =			.2281		.2308		.2157		.1966		.1555		.0960
CM =			.0330		-.0255		-.0438		-.0570		-.0652		-.0739

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-27 CONFIGURATION 140 M = 0.99 Q = 923 $\alpha = 2.79^\circ$ $C_L = 0.3657$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.207												
.057	-.066												
.076	-.235												
.080	-.167	-.658	-.151	-.021	-.666	.023	-.583	.025	-.550	.022	-.380	.018	-.358
.085	-.226	-.565	-.235	.035	-.745	.068	-.765	.079	-.632	.075	-.635	.077	-.606
.093	-.318	-.452	-.291	.105	-.664	.134	-.751	.133	-.662	.129	-.622	.129	-.636
.113	.059	-.311	-.417	.178	-.549	.209	-.726	.214	-.669	.201	-.621	.209	-.604
.115	.041	-.023	-.433	.286	-.491	.294	-.687	.295	-.610	.294	-.591	.293	-.561
.137	.120	.133	-.385	.396	-.503	.404	-.605	.407	-.589	.397	-.574	.396	-.552
.138	.166	.272	-.336	.514	-.431	.497	-.466	.502	-.484	.495	-.544	.494	-.514
.163	.084	.416	-.299	.618	-.372	.599	-.428	.601	-.444	.594	-.540	.590	-.033
.162	.171	.565	-.234	.733	-.361	.700	-.420	.698	-.402	.693	-.167	.693	-.001
.209	-.046	.713	-.197	.835	-.356	.782	-.466	.780	-.219	.784	-.215	.777	-.120
.247	-.157	.854	-.207	.919	-.134	.864	-.140	.863	-.114	.856	-.227	.861	-.129
.276	-.253	.980	-.228	.987	-.038	.926	-.032	.923	-.043	.926	-.121	.918	-.101
.324	-.376	1.074	-.215			.975	.018	.977	.031	.977	.028	.972	.059
.361	-.342	1.122	-.115										
.396	-.289												
.487	-.074												
.518	-.053												
.556	-.108	-.658	.077	-.022	.245	.024	.082	.025	.002	.019	-.020	.020	-.131
.574	-.142	-.615	.063	.038	-.041	.075	-.184	.074	-.172	.066	-.222	.076	-.186
.593	-.072	-.572	.046	.101	-.133	.137	-.257	.130	-.203	.136	-.211	.136	-.230
.670	.064	-.462	-.039	.185	-.218	.213	-.302	.214	-.234	.214	-.158	.221	-.199
.747	-.019	-.329	-.100	.289	-.244	.297	-.303	.298	-.188	.292	-.133	.295	-.198
.785	-.242	-.172	-.190	.398	-.282	.400	-.171	.397	-.136	.403	-.127	.396	-.204
.804	-.268	-.030	-.265	.519	-.214	.498	-.110	.501	-.110	.489	-.102	.497	-.141
.823	-.183	.128	-.260	.620	-.106	.604	-.130	.603	-.087	.594	-.057	.597	-.017
.842	-.128	.418	-.226	.737	.082	.705	.146	.703	.093	.700	.102	.702	.144
.861	-.079	.564	-.214	.831	.162	.785	.173	.784	.202	.786	.190	.786	.222
.900	-.093	.710	-.041	.914	.205	.859	.226	.868	.253	.858	.244	.864	.256
.938	-.058	.857	.114	.986	.107	.967	.164	.923	.269	.919	.260	.912	.266
		.976	.167	1.012	-.031	1.000	.026	.972	.183	.967	.187	.985	.155
		1.072	.148										
		1.110	.054										
CN =		.3623		.3901		.4279		.4075		.4045		.3061	
CM =		.0426		-.0284		-.0464		-.0455		-.0523		-.0257	

TABLE II-28 CONFIGURATION 140 M = 0.99 Q = 923 $\alpha = 3.12^\circ$ $C_L = 0.4081$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.202												
.057	-.073												
.076	-.235												
.080	-.168	-.658	-.154	-.021	-.706	.023	-.610	.025	-.605	.022	-.423	.018	-.400
.085	-.232	-.565	-.249	.035	-.768	.068	-.779	.079	-.688	.075	-.664	.077	-.624
.093	-.313	-.452	-.298	.105	-.727	.134	-.764	.133	-.696	.129	-.652	.129	-.649
.113	.057	-.311	-.414	.178	-.573	.209	-.753	.214	-.701	.201	-.640	.209	-.621
.115	.043	-.023	-.429	.286	-.509	.294	-.730	.295	-.658	.294	-.601	.293	-.592
.137	.122	.133	-.391	.396	-.514	.404	-.653	.407	-.603	.397	-.597	.396	-.579
.138	.168	.272	-.337	.514	-.437	.497	-.466	.502	-.463	.495	-.584	.494	-.572
.163	.087	.416	-.295	.618	-.377	.599	-.432	.601	-.550	.594	-.582	.590	-.382
.162	.177	.565	-.239	.733	-.372	.700	-.425	.698	-.440	.693	-.496	.693	-.027
.209	-.055	.713	-.191	.835	-.364	.782	-.475	.780	-.254	.784	-.182	.777	-.029
.247	-.162	.854	-.203	.919	-.145	.864	-.176	.863	-.104	.856	-.126	.861	-.046
.276	-.256	.980	-.241	.987	-.047	.926	-.058	.923	-.035	.926	-.044	.918	-.051
.324	-.378	1.074	-.226			.975	-.021	.977	-.007	.977	.017	.972	.076
.361	-.342	1.122	-.120										
.396	-.290												
.487	-.082												
.518	-.062												
.556	-.111	-.658	.081	-.022	.264	.024	.097	.025	.046	.019	.077	.020	.141
.574	-.150	-.615	.073	.038	-.018	.075	-.163	.074	-.143	.066	-.196	.076	-.172
.593	-.100	-.572	.044	.101	-.117	.137	-.228	.130	-.202	.136	-.155	.136	-.195
.670	.059	-.462	-.033	.185	-.201	.213	-.248	.214	-.136	.214	-.146	.221	-.184
.747	-.017	-.329	-.083	.289	-.221	.297	-.211	.298	-.121	.292	-.131	.295	-.193
.785	-.240	-.172	-.186	.398	-.279	.400	-.173	.397	-.170	.403	-.113	.396	-.191
.804	-.266	-.030	-.247	.519	-.212	.498	-.175	.501	-.093	.489	-.097	.497	-.142
.823	-.176	.128	-.252	.620	-.097	.604	-.126	.603	-.089	.594	-.065	.597	-.032
.842	-.135	.418	-.223	.737	.083	.705	.148	.703	.091	.700	.101	.702	.121
.861	-.073	.564	-.214	.831	.163	.785	.170	.784	.202	.786	.184	.786	.197
.900	-.093	.710	-.033	.914	.209	.859	.218	.868	.256	.858	.235	.864	.238
.938	-.067	.857	.138	.986	.095	.967	.154	.923	.270	.919	.257	.912	.263
		.976	.201	1.012	-.044	1.000	-.005	.977	.159	.967	.175	.985	.164
		1.072	.152										
		1.110	.055										
CN =		.3826		.4164		.4586		.4710		.4499		.3386	
CM =		.0431		-.0262		-.0454		-.0473		-.0518		-.0219	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-29

CONFIGURATION 140

M = 0.99

Q = 923

$\alpha = 3.20^\circ$

$C_L = 0.4163$

$\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .480 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
.019 .201						
.057 -.071						
.076 -.241						
.080 -.171	-.658 -.174	-.021 -.694	.023 -.615	.025 -.619	.022 -.424	.018 -.394
.085 -.230	-.565 -.247	.035 -.771	.068 -.792	.079 -.678	.075 -.663	.077 -.630
.093 -.317	-.452 -.299	.105 -.758	.134 -.767	.133 -.706	.129 -.656	.129 -.659
.113 .062	-.311 -.413	.178 -.564	.209 -.740	.214 -.701	.201 -.656	.209 -.630
.115 .039	-.023 -.447	.286 -.496	.294 -.714	.295 -.668	.294 -.626	.293 -.583
.137 .118	.133 -.400	.396 -.517	.404 -.651	.407 -.638	.397 -.603	.396 -.581
.138 .162	.272 -.342	.514 -.444	.497 -.518	.502 -.644	.495 -.577	.494 -.566
.163 .083	.416 -.299	.618 -.389	.599 -.443	.601 -.527	.594 -.591	.590 -.557
.162 .172	.565 -.238	.733 -.375	.700 -.422	.698 -.422	.693 -.496	.693 -.046
.209 -.653	.713 -.200	.835 -.359	.782 -.472	.780 -.260	.784 -.187	.777 -.018
.247 -.168	.854 -.209	.919 -.139	.864 -.212	.863 -.111	.856 -.145	.861 -.024
.276 -.257	.980 -.238	.987 -.046	.926 -.076	.923 -.045	.926 -.058	.918 -.006
.324 -.380	1.074 -.230		.975 -.017	.977 -.010	.977 .012	.972 .079
.361 -.347	1.122 -.115					
.396 -.298						
.487 -.079						
.518 -.065						
.556 -.117	-.658 .078	-.022 .259	.024 .105	.025 .032	.019 .088	.020 .126
.574 -.155	-.615 .065	.038 -.023	.075 -.167	.074 -.163	.066 -.183	.076 -.147
.593 -.097	-.572 .050	.101 -.123	.137 -.243	.130 -.187	.136 -.163	.136 -.196
.670 .059	-.462 -.043	.185 -.221	.213 -.259	.214 -.128	.214 -.143	.221 -.192
.747 -.016	-.329 -.071	.289 -.219	.297 -.156	.298 -.151	.292 -.135	.295 -.192
.785 -.245	-.172 -.185	.398 -.273	.400 -.225	.397 -.179	.403 -.125	.396 -.191
.804 -.268	-.030 -.249	.519 -.198	.498 -.218	.501 -.108	.489 -.095	.497 -.178
.823 -.177	.128 -.251	.620 -.089	.604 -.114	.603 -.081	.594 -.068	.597 -.054
.847 -.134	.418 -.220	.737 .090	.705 .148	.703 .094	.700 .091	.702 .101
.861 -.074	.564 -.208	.831 .168	.785 .166	.784 .197	.786 .182	.786 .187
.900 -.096	.710 -.024	.914 .211	.859 .225	.868 .250	.858 .238	.864 .234
.938 -.061	.857 .136	.986 .095	.967 .148	.923 .269	.919 .256	.912 .247
	.976 .197	1.012 -.048	1.000 -.013	.972 .170	.967 .160	.985 .157
	1.072 .153					
	1.110 .058					
CN =	.3951	.4199	.4685	.4712	.4551	.3468
CM =	.0448	-.0279	-.0460	-.0474	-.0519	-.0212

TABLE II-30

CONFIGURATION 140

M = 0.99

Q = 923

$\alpha = 3.32^\circ$

$C_L = 0.4429$

$\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .480 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
.019 .200						
.057 -.081						
.076 -.240						
.080 -.166	-.658 -.170	-.021 -.723	.023 -.663	.025 -.623	.022 -.446	.018 -.431
.085 -.232	-.565 -.268	.035 -.818	.068 -.801	.079 -.718	.075 -.679	.077 -.669
.093 -.319	-.452 -.306	.105 -.819	.134 -.786	.133 -.726	.129 -.680	.129 -.680
.113 .062	-.311 -.418	.178 -.589	.209 -.767	.214 -.704	.201 -.684	.209 -.658
.115 .033	-.023 -.448	.286 -.521	.294 -.747	.295 -.692	.294 -.653	.293 -.612
.137 .120	.133 -.396	.396 -.536	.404 -.667	.407 -.655	.397 -.632	.396 -.615
.138 .164	.272 -.344	.514 -.461	.497 -.481	.502 -.652	.495 -.611	.494 -.592
.163 .081	.416 -.300	.618 -.397	.599 -.440	.601 -.642	.594 -.618	.590 -.584
.162 .173	.565 -.241	.733 -.383	.700 -.436	.698 -.454	.693 -.522	.693 -.109
.209 -.054	.713 -.205	.835 -.351	.782 -.480	.780 -.268	.784 -.202	.777 -.010
.247 -.165	.854 -.213	.919 -.130	.864 -.203	.863 -.111	.856 -.128	.861 .003
.276 -.260	.980 -.244	.987 -.048	.926 -.058	.923 -.054	.926 -.074	.918 -.001
.324 -.382	1.074 -.224		.975 -.014	.977 -.033	.977 -.017	.972 .076
.361 -.346	1.122 -.115					
.396 -.301						
.487 -.084						
.518 -.067						
.556 -.122	-.658 .081	-.022 .274	.024 .133	.025 .067	.019 .097	.020 .155
.574 -.160	-.615 .075	.038 -.005	.075 -.131	.074 -.124	.066 -.166	.076 -.145
.593 -.076	-.572 .055	.101 -.104	.137 -.135	.130 -.154	.136 -.166	.136 -.196
.670 .059	-.462 -.037	.185 -.194	.213 -.159	.214 -.135	.214 -.138	.221 -.186
.747 -.024	-.329 -.046	.289 -.197	.297 -.194	.298 -.159	.292 -.123	.295 -.188
.785 -.248	-.172 -.171	.398 -.197	.400 -.242	.397 -.163	.403 -.133	.396 -.200
.804 -.268	-.030 -.243	.519 -.113	.498 -.147	.501 -.094	.489 -.093	.497 -.204
.823 -.171	.128 -.249	.620 -.087	.604 -.101	.603 -.089	.594 -.079	.597 -.084
.842 -.133	.418 -.216	.737 .095	.705 .142	.703 .092	.700 .072	.702 .100
.861 -.078	.564 -.197	.831 .178	.785 .172	.784 .197	.786 .165	.786 .162
.900 -.096	.710 -.000	.914 .216	.859 .224	.868 .245	.858 .220	.864 .216
.938 -.054	.857 .148	.986 .097	.967 .143	.923 .256	.919 .235	.912 .235
	.976 .207	1.012 -.038	1.000 -.008	.972 .153	.967 .151	.985 .156
	1.072 .163					
	1.110 .063					
CN =	.4191	.4663	.4895	.5015	.4722	.3602
CM =	.0488	-.0267	-.0423	-.0491	-.0503	-.0173

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-31 CONFIGURATION 140 M = 0.99 Q = 923 $\alpha = 3.48^\circ$ $C_L = 0.4529$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.199												
.057	-.079												
.076	-.247												
.080	-.164	-.658	-.178	-.021	-.722	.023	-.656	.025	-.639	.022	-.465	.018	-.435
.085	-.232	-.565	-.263	.035	-.844	.068	-.807	.079	-.715	.075	-.705	.077	-.661
.093	-.319	-.452	-.304	.105	-.806	.134	-.794	.133	-.729	.129	-.678	.129	-.685
.113	.058	-.311	-.416	.178	-.597	.209	-.786	.214	-.724	.201	-.699	.209	-.667
.115	.037	-.023	-.454	.286	-.525	.294	-.753	.295	-.703	.294	-.649	.293	-.633
.137	.119	.133	-.394	.396	-.533	.404	-.684	.407	-.675	.397	-.642	.396	-.615
.138	.164	.272	-.350	.514	-.460	.497	-.521	.502	-.655	.495	-.623	.494	-.610
.163	.082	.416	-.309	.618	-.405	.599	-.448	.601	-.652	.594	-.627	.590	-.587
.162	.170	.565	-.247	.733	-.389	.700	-.446	.698	-.595	.693	-.538	.693	-.105
.209	-.058	.713	-.207	.835	-.363	.782	-.483	.780	-.264	.784	-.182	.777	-.023
.247	-.165	.854	-.222	.919	-.129	.864	-.211	.863	-.108	.856	-.115	.861	-.008
.276	-.264	.980	-.250	.987	-.057	.926	-.080	.923	-.069	.926	-.074	.918	.005
.324	-.380	1.074	-.235			.975	-.021	.977	-.067	.977	-.054	.972	.077
.361	-.347	1.122	-.129										
.396	-.300												
.487	-.091												
.518	-.069												
.556	-.124	-.658	.078	-.022	.281	.024	.187	.025	.068	.019	.105	.020	.156
.574	-.164	-.615	.072	.038	-.006	.075	-.081	.074	-.128	.066	-.131	.076	-.135
.593	-.098	-.572	.063	.101	-.099	.137	-.146	.130	-.166	.136	-.148	.136	-.191
.670	.057	-.462	-.032	.185	-.191	.213	-.159	.214	-.152	.214	-.139	.221	-.186
.747	-.024	-.329	-.071	.289	-.202	.297	-.182	.298	-.158	.292	-.124	.295	-.192
.785	-.246	-.172	-.173	.398	-.213	.400	-.211	.397	-.182	.403	-.133	.396	-.205
.804	-.268	-.030	-.241	.519	-.140	.498	-.188	.501	-.096	.489	-.111	.497	-.215
.823	-.173	.128	-.231	.620	-.088	.604	-.090	.603	-.093	.594	-.088	.597	-.079
.842	-.133	.418	-.216	.737	.090	.705	.147	.703	.088	.700	.071	.702	.082
.861	-.076	.564	-.187	.831	.178	.785	.173	.784	.194	.786	.162	.786	.179
.900	-.092	.710	.007	.914	.209	.859	.226	.868	.248	.858	.217	.864	.221
.938	-.055	.857	.158	.986	.095	.967	.136	.923	.254	.919	.235	.912	.217
		.976	.204	1.012	-.047	1.000	-.017	.972	.141	.967	.136	.985	.134
		1.072	.168										
		1.110	.062										
CN =		.4312		.4649		.5081		.5170		.4785		.3637	
CM =		.0442		-.0260		-.0427		-.0542		-.0482		-.0165	

TABLE II-32 CONFIGURATION 140 M = 0.99 Q = 923 $\alpha = 4.13^\circ$ $C_L = 0.5269$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.186												
.057	-.087												
.076	-.250												
.080	-.171	-.658	-.207	-.021	-.781	.023	-.716	.025	-.704	.022	-.540	.018	-.494
.085	-.237	-.565	-.281	.035	-.913	.068	-.859	.079	-.774	.075	-.749	.077	-.704
.093	-.318	-.452	-.325	.105	-.915	.134	-.845	.133	-.785	.129	-.727	.129	-.729
.113	.048	-.311	-.440	.178	-.677	.209	-.829	.214	-.783	.201	-.744	.209	-.709
.115	.024	-.023	-.462	.286	-.552	.294	-.802	.295	-.757	.294	-.712	.293	-.673
.137	.123	.133	-.414	.396	-.555	.404	-.797	.407	-.731	.397	-.715	.396	-.672
.138	.170	.272	-.365	.514	-.487	.497	-.727	.502	-.729	.495	-.683	.494	-.663
.163	.076	.416	-.330	.618	-.435	.599	-.492	.601	-.717	.594	-.676	.590	-.616
.162	.170	.565	-.271	.733	-.414	.700	-.488	.698	-.661	.693	-.262	.693	-.167
.209	-.064	.713	-.232	.835	-.388	.782	-.505	.780	-.294	.784	-.206	.777	-.123
.247	-.170	.854	-.240	.919	-.167	.864	-.264	.863	-.281	.856	-.194	.861	-.085
.276	-.265	.980	-.273	.987	-.079	.926	-.120	.923	-.260	.926	-.185	.918	-.051
.324	-.381	1.074	-.265			.975	-.074	.977	-.280	.977	-.191	.972	-.057
.361	-.349	1.122	-.153										
.396	-.308												
.487	-.100												
.518	-.080												
.556	-.135	-.658	.089	-.022	.315	.024	.231	.025	.151	.019	.174	.020	.201
.574	-.178	-.615	.085	.038	.040	.075	-.017	.074	-.055	.066	-.101	.076	-.115
.593	-.140	-.572	.072	.101	-.067	.137	-.113	.130	-.102	.136	-.123	.136	-.173
.670	.044	-.462	-.012	.185	-.155	.213	-.111	.214	-.129	.214	-.117	.221	-.170
.747	-.024	-.329	-.053	.289	-.172	.297	-.129	.298	-.127	.292	-.091	.295	-.178
.785	-.242	-.172	-.164	.398	-.106	.400	-.176	.397	-.128	.403	-.132	.396	-.212
.804	-.272	-.030	-.220	.519	-.138	.498	-.138	.501	-.100	.489	-.127	.497	-.272
.823	-.218	.128	-.202	.620	-.065	.604	-.100	.603	-.097	.594	-.110	.597	-.163
.842	-.125	.418	-.197	.737	.101	.705	.148	.703	.063	.700	.041	.702	.015
.861	-.068	.564	-.117	.831	.181	.785	.170	.784	.184	.786	.135	.786	.096
.900	-.095	.710	.041	.914	.217	.859	.223	.868	.230	.858	.190	.864	.149
.938	-.061	.857	.174	.986	.087	.967	.125	.923	.239	.919	.205	.912	.169
		.976	.222	1.012	-.068	1.000	-.056	.972	.085	.967	.073	.985	.028
		1.072	.172										
		1.110	.060										
CN =		.5093		.5379		.5990		.6129		.5058		.3889	
CM =		.0492		-.0255		-.0481		-.0682		-.0408		-.0129	

~~CONFIDENTIAL~~

TABLE II-33 CONFIGURATION 140 M = 0.99 Q = 923 $\alpha = 5.45^\circ$ $C_L = 0.6765$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .480 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
.019 .174						
.057 -.106						
.076 -.259						
.080 -.169						
.085 -.247	-.658 -.239	-.021 -.909	.023 -.863	.025 -.816	.022 -.705	.018 -.645
.093 -.321	-.565 -.334	.035 -1.043	.068 -.972	.079 -.900	.075 -.853	.077 -.814
.113 .048	-.452 -.359	.105 -1.038	.134 -.969	.133 -.900	.129 -.847	.129 -.838
.115 .024	-.311 -.471	.178 -1.010	.209 -.930	.214 -.888	.201 -.843	.209 -.822
.137 .116	-.023 -.492	.286 -.607	.294 -.927	.295 -.845	.294 -.824	.293 -.789
.138 .166	.133 -.444	.396 -.579	.404 -.906	.407 -.852	.397 -.808	.396 -.792
.163 .066	.272 -.387	.514 -.517	.497 -.890	.502 -.830	.495 -.791	.494 -.790
.162 .160	.416 -.338	.618 -.461	.599 -.806	.601 -.828	.594 -.665	.590 -.734
.209 -.079	.565 -.275	.733 -.430	.700 -.547	.698 -.381	.693 -.298	.693 -.264
.247 -.185	.713 -.244	.835 -.353	.782 -.455	.780 -.363	.784 -.273	.777 -.231
.276 -.282	.854 -.248	.919 -.144	.864 -.256	.863 -.362	.856 -.255	.861 -.208
.324 -.398	.980 -.281	.987 -.063	.926 -.133	.923 -.369	.926 -.271	.918 -.207
.361 -.364	1.074 -.278		.975 -.077	.977 -.370	.977 -.262	.972 -.187
.396 -.324	1.122 -.165					
.487 -.109						
.518 -.072						
.556 -.139						
.574 -.179	-.658 .100	-.022 .379	.024 .374	.025 .269	.019 .274	.020 .271
.593 -.114	-.615 .106	.038 .180	.075 .119	.074 .066	.066 .008	.076 -.025
.670 .020	-.572 .100	.101 .073	.137 .026	.130 -.012	.136 -.040	.136 -.114
.747 -.057	-.462 .017	.185 .015	.213 -.009	.214 -.042	.214 -.063	.221 -.139
.785 -.256	-.329 -.039	.289 -.004	.297 -.037	.298 -.045	.292 -.072	.295 -.156
.804 -.280	-.172 -.141	.398 -.049	.400 -.094	.397 -.066	.403 -.122	.396 -.208
.823 -.218	-.030 -.202	.519 -.062	.498 -.098	.501 -.091	.489 -.105	.497 -.283
.842 -.125	.128 -.145	.620 -.023	.498 -.064	.603 -.099	.594 -.130	.597 -.208
.861 -.082	.418 -.069	.737 .130	.705 .144	.703 .053	.700 .012	.702 .039
.900 -.110	.564 -.007	.831 .216	.785 .188	.784 .159	.786 .103	.786 .039
.938 -.022	.710 .098	.914 .255	.859 .236	.868 .209	.858 .167	.864 .087
	.857 .218	.986 .096	.967 .115	.923 .210	.919 .177	.912 .090
	.976 .247	1.012 -.056	1.000 -.089	.972 .021	.967 .035	.985 -.113
	1.072 .183					
	1.110 .074					
CN =	.6384	.6871	.7598	.7112	.6002	.4947
CM =	.0637	-.0096	-.0460	-.0581	-.0354	-.0130

TABLE II-34 CONFIGURATION 140 M = 0.99 Q = 923 $\alpha = 6.73^\circ$ $C_L = 0.7993$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .480 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
.019 .147						
.057 -.115						
.076 -.268						
.080 -.172						
.085 -.256	-.658 -.303	-.021 -1.001	.023 -.954	.025 -.920	.022 -.818	.018 -.752
.093 -.325	-.565 -.376	.035 -1.124	.068 -1.054	.079 -.977	.075 -.946	.077 -.889
.113 .033	-.452 -.394	.105 -1.122	.134 -1.036	.133 -.978	.129 -.934	.129 -.913
.115 .012	-.311 -.498	.178 -1.091	.209 -1.012	.214 -.967	.201 -.929	.209 -.891
.137 .112	-.023 -.525	.286 -.965	.294 -.994	.295 -.935	.294 -.895	.293 -.866
.138 .165	.133 -.463	.396 -.692	.404 -.984	.407 -.924	.397 -.884	.396 -.865
.163 .063	.272 -.397	.514 -.559	.497 -.957	.502 -.912	.495 -.874	.494 -.845
.162 .151	.416 -.347	.618 -.479	.599 -.937	.601 -.793	.594 -.740	.590 -.835
.209 -.085	.565 -.294	.733 -.449	.700 -.731	.698 -.459	.693 -.379	.693 -.425
.247 -.197	.713 -.251	.835 -.377	.782 -.522	.780 -.457	.784 -.346	.777 -.344
.276 -.291	.854 -.264	.919 -.172	.864 -.376	.863 -.438	.856 -.338	.861 -.323
.324 -.405	.980 -.301	.987 -.088	.926 -.235	.923 -.436	.926 -.330	.918 -.326
.361 -.376	1.074 -.323		.975 -.095	.977 -.425	.977 -.317	.972 -.323
.396 -.334	1.122 -.182					
.487 -.096						
.518 -.074						
.556 -.153						
.574 -.200	-.658 .113	-.022 .456	.024 .453	.025 .339	.019 .332	.020 .317
.593 -.147	-.615 .131	.038 .274	.075 .217	.074 .139	.066 .081	.076 .027
.670 .001	-.572 .134	.101 .180	.137 .116	.130 .056	.136 .017	.136 -.070
.747 -.074	-.462 .046	.185 .102	.213 .058	.214 -.000	.214 -.028	.221 -.110
.785 -.280	-.329 .002	.289 .077	.297 .023	.298 -.010	.292 -.034	.295 -.134
.804 -.314	-.172 -.090	.398 .033	.400 -.028	.397 -.050	.403 -.103	.396 -.194
.823 -.217	-.030 -.148	.519 -.011	.498 -.043	.501 -.081	.489 -.113	.497 -.269
.842 -.123	.128 -.051	.620 .018	.604 -.035	.603 -.106	.594 -.137	.597 -.222
.861 -.097	.418 -.002	.737 .159	.705 .146	.703 .029	.700 .000	.702 -.065
.900 -.121	.564 .052	.831 .243	.785 .191	.784 .143	.786 .096	.786 .015
.938 -.013	.710 .146	.914 .274	.859 .249	.868 .206	.858 .164	.864 .064
	.857 .253	.986 .110	.967 .097	.923 .197	.919 .179	.912 .064
	.976 .281	1.012 -.060	1.000 -.168	.972 -.002	.967 .027	.985 -.202
	1.072 .206					
	1.110 .092					
N =	.7734	.8375	.8937	.7951	.6945	.5931
M =	.0866	-.0063	-.0591	-.0596	-.0401	-.0241

~~CONFIDENTIAL~~

TABLE II-35 CONFIGURATION 140 M = 0.99 Q = 923 $\alpha = 7.97^\circ$ $C_L = 0.8823$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .480 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
.019 .143						
.057 .131						
.076 .272						
.080 .178	-.658 -.350	-.021 -1.075	.023 -1.042	.025 -.997	.022 -.904	.018 -.835
.085 .265	-.565 -.437	.035 -1.202	.068 -1.120	.079 -1.056	.075 -.990	.077 -.914
.093 .327	-.452 -.439	.105 -1.185	.134 -1.107	.133 -1.038	.129 -.962	.129 -.952
.113 .027	-.311 -.529	.178 -1.156	.209 -1.071	.214 -.994	.201 -.900	.209 -.913
.115 .013	-.023 -.542	.286 -1.013	.294 -1.035	.295 -.978	.294 -.801	.293 -.901
.137 .111	.133 -.466	.396 -.853	.404 -1.012	.407 -.846	.397 -.679	.396 -.811
.138 .165	.272 -.402	.514 -.757	.497 -.956	.502 -.641	.495 -.580	.494 -.708
.163 .060	.416 -.353	.618 -.630	.599 -.729	.601 -.537	.594 -.546	.590 -.610
.162 .147	.565 -.296	.733 -.523	.700 -.596	.698 -.480	.693 -.464	.693 -.458
.209 -.092	.713 -.271	.835 -.447	.782 -.521	.780 -.459	.784 -.433	.777 -.409
.247 -.210	.854 -.283	.919 -.311	.864 -.468	.863 -.428	.856 -.408	.861 -.370
.276 -.302	.980 -.317	.987 -.121	.926 -.449	.923 -.415	.926 -.404	.918 -.366
.324 -.415	1.074 -.354		.975 -.410	.977 -.412	.977 -.370	.972 -.347
.361 -.388	1.122 -.201					
.396 -.343						
.487 -.100						
.518 -.085						
.556 -.172	-.658 .111	-.022 .478	.024 .482	.025 .409	.019 .386	.020 .371
.574 -.221	-.615 .132	.038 .322	.075 .274	.074 .211	.066 .133	.076 .086
.593 .181	-.572 .136	.101 .224	.137 .155	.130 .121	.136 .054	.136 -.030
.670 -.014	-.462 .071	.185 .160	.213 .105	.214 .047	.214 .003	.221 -.076
.747 -.090	-.329 .022	.289 .129	.297 .067	.298 .032	.292 .000	.295 -.100
.785 -.287	-.172 -.072	.398 .061	.400 .006	.397 -.038	.403 -.086	.396 -.176
.804 -.304	-.030 -.086	.519 .024	.498 -.021	.501 -.077	.489 -.083	.497 -.254
.823 -.211	.128 .009	.620 .041	.604 -.038	.603 -.106	.594 -.128	.597 -.213
.842 -.137	.418 .036	.737 .170	.705 .144	.703 .026	.700 .003	.702 -.068
.861 -.104	.564 .081	.831 .246	.785 .167	.784 .142	.786 .095	.786 .004
.900 -.131	.710 .166	.914 .273	.859 .218	.868 .204	.858 .168	.864 .061
.938 -.014	.857 .270	.986 .109	.967 .039	.923 .197	.919 .173	.912 .055
	.976 .294	1.012 -.069	1.000 -.357	.972 .003	.967 .018	.985 -.239
	1.072 .214					
	1.110 .091					
CN =	.8621	.9747	.9292	.7749	.6682	.6032
CM =	.1076	-.0221	-.0577	-.0405	-.0389	-.0176

TABLE II-36 CONFIGURATION 140 M = 0.99 Q = 923 $\alpha = 9.20^\circ$ $C_L = 0.9329$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .480 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
.019 .124						
.057 .136						
.076 .282						
.080 .182	-.658 -.404	-.021 -1.133	.023 -1.075	.025 -1.064	.022 -.666	.018 -.534
.085 .276	-.565 -.473	.035 -1.228	.068 -1.180	.079 -1.051	.075 -.715	.077 -.744
.093 .337	-.452 -.471	.105 -1.193	.134 -1.135	.133 -1.016	.129 -.657	.129 -.473
.113 .062	-.311 -.563	.178 -1.162	.209 -1.119	.214 -1.005	.201 -.725	.209 -.469
.115 .000	-.023 -.552	.286 -1.011	.294 -1.090	.295 -.817	.294 -.625	.293 -.429
.137 .101	.133 -.467	.396 -.927	.404 -1.001	.407 -.731	.397 -.614	.396 -.420
.138 .159	.272 -.412	.514 -.885	.497 -.790	.502 -.663	.495 -.550	.494 -.430
.163 .046	.416 -.369	.618 -.830	.599 -.703	.601 -.603	.594 -.541	.590 -.392
.162 .128	.565 -.317	.733 -.788	.700 -.605	.698 -.561	.693 -.526	.693 -.394
.209 -.106	.713 -.292	.835 -.648	.782 -.552	.780 -.550	.784 -.513	.777 -.379
.247 -.221	.854 -.308	.919 -.503	.864 -.507	.863 -.522	.856 -.499	.861 -.372
.276 -.311	.980 -.334	.987 -.274	.926 -.470	.923 -.506	.926 -.492	.918 -.356
.324 -.424	1.074 -.368		.975 -.454	.977 -.487	.977 -.473	.972 -.363
.361 -.394	1.122 -.213					
.396 -.339						
.487 -.096						
.518 -.099						
.556 -.192	-.658 .119	-.022 .484	.024 .543	.025 .456	.019 .438	.020 .421
.574 -.238	-.615 .161	.038 .381	.075 .334	.074 .257	.066 .197	.076 .153
.593 .237	-.572 .161	.101 .291	.137 .237	.130 .160	.136 .109	.136 .022
.670 .034	-.462 .107	.185 .209	.213 .163	.214 .078	.214 .053	.221 -.037
.747 -.090	-.329 .045	.289 .173	.297 .124	.298 .085	.292 .041	.295 -.080
.785 -.256	-.172 -.031	.398 .110	.400 .053	.397 -.009	.403 -.052	.396 -.154
.804 -.280	-.030 -.019	.519 .063	.498 -.000	.501 -.058	.489 -.086	.497 -.240
.823 -.239	.128 .045	.620 .069	.604 -.025	.603 -.101	.594 -.119	.597 -.212
.842 -.172	.418 .076	.737 .185	.705 .135	.703 .017	.700 -.002	.702 -.074
.861 -.119	.564 .118	.831 .263	.785 .160	.784 .128	.786 .083	.786 -.002
.900 -.154	.710 .195	.914 .286	.859 .214	.868 .199	.858 .153	.864 .052
.938 -.050	.857 .301	.986 .115	.967 -.001	.923 .184	.919 .160	.912 .044
	.976 .318	1.012 -.036	1.000 -.432	.972 -.026	.967 -.011	.985 -.256
	1.072 .227					
	1.110 .097					
CN =	.9602	1.1310	.9601	.8049	.6273	.3791
CM =	.1270	-.0635	-.0509	-.0519	-.0621	-.0204

~~CONFIDENTIAL~~

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

TABLE II-37 CONFIGURATION 140 $M = 0.99$ $Q = 923$ $\alpha = 10.43^\circ$ $C_L = 0.9937$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.112												
.057	-.144												
.076	-.282												
.080	-.183	-.658	-.487	-.021	-1.184	.023	-1.149	.025	-.776	.022	-.511	.018	-.428
.085	-.279	-.565	-.541	.035	-1.191	.068	-1.143	.079	-.865	.075	-.510	.077	-.426
.093	-.336	-.452	-.512	.105	-1.197	.134	-1.133	.133	-.818	.129	-.486	.129	-.419
.113	-.038	-.311	-.601	.178	-1.134	.209	-1.095	.214	-.696	.201	-.469	.209	-.424
.115	-.005	-.023	-.571	.286	-1.094	.294	-1.009	.295	-.751	.294	-.474	.293	-.410
.137	.105	.133	-.486	.396	-1.075	.404	-.876	.407	-.726	.397	-.520	.396	-.406
.138	.161	.272	-.431	.514	-1.064	.497	-.809	.502	-.660	.495	-.470	.494	-.400
.163	.043	.416	-.387	.618	-1.076	.599	-.701	.601	-.631	.594	-.469	.590	-.391
.162	.114	.565	-.344	.733	-1.058	.700	-.714	.698	-.612	.693	-.459	.693	-.384
.209	-.111	.713	-.315	.835	-.957	.782	-.647	.780	-.600	.784	-.467	.777	-.384
.247	-.222	.854	-.331	.919	-.532	.864	-.665	.863	-.598	.856	-.460	.861	-.375
.276	-.316	.980	-.348	.987	-.170	.926	-.659	.923	-.575	.926	-.459	.918	-.374
.324	-.419	1.074	-.392			.975	-.560	.977	-.551	.977	-.437	.972	-.369
.361	-.390	1.122	-.246										
.396	-.327												
.487	-.114												
.518	-.125												
.556	-.209	-.658	.131	-.022	.499	.024	.578	.025	.513	.019	.505	.020	.467
.574	-.265	-.615	.179	.038	.436	.075	.399	.074	.335	.066	.270	.076	.211
.593	-.288	-.572	.187	.101	.340	.137	.289	.130	.232	.136	.173	.136	.082
.670	-.031	-.462	.150	.185	.279	.213	.222	.214	.154	.214	.108	.221	.013
.747	-.080	-.329	.100	.289	.230	.297	.173	.298	.125	.292	.084	.295	-.037
.785	-.262	-.172	.029	.398	.161	.400	.096	.397	.042	.403	-.010	.396	-.120
.804	-.282	-.030	.032	.519	.110	.498	.044	.501	-.025	.489	-.047	.497	-.196
.823	-.261	.128	.088	.620	.110	.604	.018	.603	-.069	.594	-.097	.597	-.181
.842	-.216	.418	.135	.737	.213	.705	.130	.703	.035	.700	.015	.702	-.053
.861	-.152	.564	.154	.831	.289	.785	.164	.784	.152	.786	.102	.786	.021
.900	-.181	.710	.237	.914	.303	.859	.231	.868	.212	.858	.174	.864	.069
.938	-.109	.857	.341	.986	.123	.967	.005	.923	.199	.919	.176	.912	.066
		.976	.350	1.012	-.014	1.000	-.563	.972	-.012	.967	.002	.985	-.259
		1.072	.248										
		1.110	.115										
CN =		1.0910		1.2988		1.0187		.7982		.5575		.3786	
CM =		.1550		-.0990		-.0726		-.0772		-.0633		-.0294	

TABLE II-38 CONFIGURATION 140 $M = 0.99$ $Q = 923$ $\alpha = 11.56^\circ$ $C_L = 1.0682$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.098												
.057	-.150												
.076	-.281												
.080	-.186	-.658	-.545	-.021	-1.220	.023	-1.110	.025	-.630	.022	-.470	.018	-.444
.085	-.281	-.565	-.706	.035	-1.183	.068	-1.091	.079	-.583	.075	-.473	.077	-.445
.093	-.338	-.452	-.554	.105	-1.196	.134	-1.085	.133	-.571	.129	-.476	.129	-.436
.113	.060	-.311	-.625	.178	-1.151	.209	-1.081	.214	-.559	.201	-.482	.209	-.436
.115	.008	-.023	-.585	.286	-1.122	.294	-1.025	.295	-.552	.294	-.490	.293	-.433
.137	.099	.133	-.481	.396	-1.124	.404	-.926	.407	-.538	.397	-.489	.396	-.435
.138	.159	.272	-.431	.514	-1.138	.497	-.852	.502	-.554	.495	-.482	.494	-.422
.163	.043	.416	-.398	.618	-1.151	.599	-.825	.601	-.533	.594	-.477	.590	-.426
.162	.099	.565	-.375	.733	-1.158	.700	-.789	.698	-.548	.693	-.478	.693	-.435
.209	-.124	.713	-.346	.835	-1.124	.782	-.772	.780	-.555	.784	-.478	.777	-.422
.247	-.234	.854	-.366	.919	-.892	.864	-.756	.863	-.571	.856	-.463	.861	-.421
.276	-.321	.980	-.365	.987	-.366	.926	-.704	.923	-.560	.926	-.471	.918	-.422
.324	-.427	1.074	-.414			.975	-.646	.977	-.543	.977	-.470	.972	-.407
.361	-.387	1.122	-.301										
.396	-.326												
.487	-.117												
.518	-.138												
.556	-.236	-.658	.135	-.022	.499	.024	.606	.025	.546	.019	.513	.020	.481
.574	-.295	-.615	.196	.038	.469	.075	.449	.074	.370	.066	.301	.076	.261
.593	-.342	-.572	.221	.101	.390	.137	.329	.130	.268	.136	.190	.136	.115
.670	-.008	-.462	.177	.185	.315	.213	.254	.214	.192	.214	.136	.221	.037
.747	-.062	-.329	.128	.289	.262	.297	.198	.298	.146	.292	.110	.295	-.011
.785	-.269	-.172	.080	.398	.191	.400	.127	.397	.065	.403	.009	.396	-.091
.804	-.295	-.030	.086	.519	.137	.498	.071	.501	.003	.489	-.019	.497	-.180
.823	-.275	.128	.137	.620	.130	.604	.030	.603	-.056	.594	-.079	.597	-.171
.842	-.234	.418	.165	.737	.228	.705	.125	.703	.047	.700	.019	.702	-.064
.861	-.180	.564	.188	.831	.290	.785	.171	.784	.155	.786	.101	.786	.006
.900	-.190	.710	.262	.914	.309	.859	.231	.868	.222	.858	.179	.864	.063
.938	-.104	.857	.360	.986	.108	.967	-.003	.923	.204	.919	.183	.912	.057
		.976	.362	1.012	-.079	1.000	-.626	.972	-.012	.967	.002	.985	-.272
		1.072	.258										
		1.110	.116										
CN =		1.2023		1.4146		1.0819		.6960		.5754		.4198	
CM =		.1860		-.1358		-.0914		-.0794		-.0672		-.0343	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-39 CONFIGURATION 136 M = 0.99 Q = 923 $\alpha = 0.11^\circ$ $C_L = 0.0015$ $\beta = -2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.106												
.057	-.119												
.076	-.230												
.080	-.232	-.658	-.051	-.021	-.166	.023	-.292	.025	-.155	.022	.165	.018	.226
.085	-.282	-.565	-.165	.035	-.355	.068	-.376	.079	-.251	.075	-.048	.077	-.050
.093	-.277	-.452	-.228	.105	-.322	.134	-.329	.133	-.244	.129	-.049	.129	-.058
.113	.108	-.311	-.302	.178	-.319	.209	-.312	.214	-.216	.201	-.076	.209	-.084
.115	.143	-.023	-.360	.286	-.280	.294	-.290	.295	-.157	.294	-.072	.293	-.121
.137	.089	.133	-.308	.396	-.285	.404	-.218	.407	-.026	.397	-.097	.396	-.154
.138	.102	.272	-.250	.514	-.225	.497	-.242	.502	-.097	.495	-.125	.494	-.216
.163	.071	.416	-.203	.618	-.207	.599	-.266	.601	-.137	.594	-.173	.590	-.264
.162	.060	.565	-.135	.733	-.240	.700	-.094	.698	-.184	.693	-.228	.693	-.337
.209	-.006	.713	-.094	.835	-.263	.782	-.044	.780	-.214	.784	-.315	.777	-.391
.247	-.142	.854	-.113	.919	-.091	.864	-.093	.863	-.224	.856	-.314	.861	-.134
.276	-.232	.980	-.145	.987	.061	.926	-.023	.923	-.136	.926	-.172	.918	-.017
.324	-.308	1.074	-.149			.975	.077	.977	-.010	.977	-.031	.972	.074
.361	-.306	1.122	-.058										
.396	-.237												
.438	-.171												
.487	-.020												
LOWER SURFACE													
.518	.010	-.658	.070	-.022	.105	.024	-.109	.025	-.330	.019	-.367	.020	-.407
.556	-.039	-.615	.034	.038	-.169	.075	-.398	.074	-.583	.066	-.676	.076	-.684
.574	-.074	-.572	.017	.101	-.240	.137	-.481	.130	-.599	.136	-.743	.136	-.782
.593	.019	-.462	-.086	.185	-.328	.213	-.486	.214	-.595	.214	-.720	.221	-.732
.632	.055	-.329	-.148	.289	-.349	.297	-.484	.298	-.604	.489	-.027	.295	-.705
.670	.042	-.172	-.208	.398	-.403	.400	-.512	.397	-.627	.594	-.056	.396	-.281
.747	-.066	-.030	-.261	.519	-.462	.498	-.571	.501	-.152	.700	.102	.497	-.091
.766	-.126	.128	-.277	.620	-.290	.604	-.095	.603	.008	.786	.210	.597	.010
.785	-.298	.418	-.255	.737	-.039	.705	-.055	.703	.070	.858	.249	.702	.125
.804	-.348	.564	-.270	.831	.038	.785	-.061	.784	.111	.919	.309	.786	.185
.823	-.292	.710	-.187	.914	.141	.859	-.032	.868	.144	.967	.192	.864	.246
.842	-.257	.857	.016	.986	.144	.922	.052	.923	.161			.912	.235
.861	-.124	.976	.109	1.012	.067	.967	.153	.972	.165			.985	.094
.881	-.110	1.072	.117			1.000	.122						
.900	-.130	1.110	.043										
.938	-.030												

TABLE II-40 CONFIGURATION 136 M = 0.99 Q = 923 $\alpha = 1.61^\circ$ $C_L = 0.2029$ $\beta = -2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.085												
.057	-.129												
.076	-.251												
.080	-.233	-.658	-.075	-.021	-.416	.023	-.495	.025	-.485	.022	-.243	.018	-.012
.085	-.288	-.565	-.194	.035	-.576	.068	-.654	.079	-.550	.075	-.218	.077	-.264
.093	-.280	-.452	-.246	.105	-.453	.134	-.506	.133	-.518	.129	-.120	.129	-.238
.113	.105	-.311	-.321	.178	-.400	.209	-.475	.214	-.425	.201	-.169	.209	-.204
.115	.137	-.023	-.386	.286	-.357	.294	-.404	.295	-.335	.294	-.107	.293	-.213
.137	.085	.133	-.344	.396	-.381	.404	-.316	.407	-.243	.397	-.154	.396	-.225
.138	.100	.272	-.287	.514	-.297	.497	-.311	.502	-.056	.495	-.192	.494	-.275
.163	.062	.416	-.236	.618	-.276	.599	-.318	.601	-.001	.594	-.239	.590	-.305
.162	.053	.565	-.180	.733	-.298	.700	-.374	.698	-.141	.693	-.308	.693	-.375
.209	-.017	.713	-.132	.835	-.317	.782	-.249	.780	-.207	.784	-.405	.777	-.414
.247	-.152	.854	-.150	.919	-.125	.864	-.025	.863	-.303	.856	-.297	.861	-.090
.276	-.249	.980	-.177	.987	.004	.926	.034	.923	-.159	.926	-.153	.918	-.003
.324	-.324	1.074	-.191			.975	.092	.977	-.001	.977	-.042	.972	.072
.361	-.323	1.122	-.099										
.396	-.257												
.438	-.205												
.487	-.056												
LOWER SURFACE													
.518	-.030	-.658	.083	-.022	.214	.024	.010	.025	-.217	.019	-.227	.020	-.082
.556	-.075	-.615	.066	.038	-.073	.075	-.271	.074	-.433	.066	-.588	.076	-.405
.574	-.125	-.572	.037	.101	-.176	.137	-.350	.130	-.477	.136	-.569	.136	-.417
.593	-.049	-.462	-.064	.185	-.261	.213	-.386	.214	-.503	.214	-.478	.221	-.355
.632	.045	-.329	-.117	.289	-.285	.297	-.377	.298	-.488	.489	-.108	.295	-.292
.670	.049	-.172	-.181	.398	-.352	.400	-.425	.397	-.504	.594	-.065	.396	-.277
.747	-.059	-.030	-.232	.519	-.404	.498	-.501	.501	-.079	.700	.122	.497	-.053
.766	-.117	.128	-.237	.620	-.199	.604	-.116	.603	.036	.786	.211	.597	.054
.785	-.290	.418	-.222	.737	.017	.705	.067	.703	.129	.858	.277	.702	.193
.804	-.334	.564	-.245	.831	.102	.785	.109	.784	.219	.919	.297	.786	.244
.823	-.273	.710	-.127	.914	.158	.859	.101	.868	.268	.967	.217	.864	.273
.842	-.236	.857	.074	.986	.115	.922	.183	.923	.279			.912	.306
.861	-.134	.976	.146	1.012	-.001	.967	.145	.972	.214			.985	.174
.881	-.121	1.072	.126			1.000	-.003						
.900	-.141	1.110	.041										
.938	-.067												

~~CONFIDENTIAL~~

TABLE II-41 CONFIGURATION 136 M = 0.99 Q = 923 $\alpha = 2.83^\circ$ $C_L = 0.3639$ $\beta = -2.50^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 .053						
.057 -.142						
.076 -.259						
.080 -.233						
.085 -.302	-.658 -.101	-.021 -.558	.023 -.635	.025 -.636	.022 -.528	.018 -.530
.093 -.274	-.452 -.288	.035 -.744	.068 -.787	.079 -.720	.075 -.739	.077 -.480
.113 .104	-.311 -.361	.105 -.623	.134 -.720	.133 -.719	.129 -.700	.129 -.367
.115 .130	-.023 -.412	.178 -.500	.209 -.678	.214 -.699	.201 -.699	.209 -.163
.137 .081	.133 -.377	.286 -.437	.294 -.473	.295 -.630	.294 -.629	.293 -.142
.138 .099	.272 -.309	.396 -.447	.404 -.480	.407 -.459	.397 -.574	.396 -.195
.163 .052	.416 -.273	.514 -.359	.497 -.378	.502 -.296	.495 -.019	.494 -.238
.162 .054	.565 -.222	.618 -.326	.599 -.362	.601 -.349	.594 -.071	.590 -.276
.209 -.032	.713 -.170	.733 -.339	.700 -.406	.698 -.114	.693 -.173	.693 -.317
.247 -.170	.854 -.189	.835 -.345	.782 -.357	.780 -.143	.784 -.277	.777 -.422
.276 -.257	.980 -.212	.919 -.139	.864 -.110	.863 -.163	.856 -.334	.861 -.120
.324 -.334	1.074 -.225	.926 -.031	.926 -.031	.923 -.089	.926 -.190	.918 -.023
.361 -.336	1.122 -.118	.975 .010	.977 .032	.977 .041	.972 .058	
.396 -.277						
.438 -.232						
.487 -.089						
.518 -.060	-.658 .102	-.022 .284	.024 .104	.025 -.086	.019 -.006	.020 .044
.556 -.103	-.615 .087	.038 .004	.075 -.179	.074 -.301	.066 -.318	.076 -.325
.574 -.165	-.572 .059	.101 -.095	.137 -.257	.130 -.335	.136 -.271	.136 -.377
.593 -.087	-.462 -.037	.185 -.187	.213 -.300	.214 -.243	.214 -.272	.221 -.326
.632 .022	-.329 -.081	.289 -.229	.297 -.309	.298 -.178	.489 -.174	.295 -.300
.670 .036	-.172 -.158	.398 -.296	.400 -.299	.397 -.197	.594 -.142	.396 -.274
.747 -.060	-.030 -.204	.519 -.273	.498 -.216	.501 -.246	.700 .066	.497 -.313
.766 -.118	.128 -.205	.620 -.114	.604 -.099	.603 -.138	.786 .171	.597 -.063
.785 -.281	.418 -.200	.737 .056	.705 .069	.703 .082	.858 .233	.702 .113
.804 -.322	.564 -.209	.831 .151	.785 .169	.784 .188	.919 .256	.786 .200
.823 -.263	.710 -.047	.914 .195	.859 .214	.868 .256	.967 .153	.864 .249
.842 -.220	.857 .125	.986 .107	.922 .231	.923 .268		.912 .262
.861 -.131	.976 .179	1.012 -.034	.967 .129	.972 .133		.985 .133
.881 -.133	1.072 .155		1.000 -.055			
.900 -.155	1.110 .052					
.938 -.102						

TABLE II-42 CONFIGURATION 136 M = 0.99 Q = 923 $\alpha = 3.35^\circ$ $C_L = 0.4330$ $\beta = -2.50^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 .044						
.057 -.152						
.076 -.264						
.080 -.233						
.085 -.311	-.658 -.122	-.021 -.715	.023 -.699	.025 -.706	.022 -.593	.018 -.603
.093 -.278	-.452 -.301	.035 -.776	.068 -.836	.079 -.779	.075 -.770	.077 -.763
.113 .107	-.311 -.363	.105 -.682	.134 -.809	.133 -.796	.129 -.758	.129 -.760
.115 .138	-.023 -.421	.178 -.503	.209 -.742	.214 -.770	.201 -.752	.209 -.735
.137 .082	.133 -.385	.286 -.460	.294 -.678	.295 -.707	.294 -.700	.293 -.680
.138 .098	.272 -.320	.396 -.471	.404 -.453	.407 -.668	.397 -.692	.396 -.382
.163 .052	.416 -.287	.514 -.379	.497 -.398	.502 -.320	.495 -.475	.494 -.169
.162 .056	.565 -.233	.618 -.346	.599 -.373	.601 -.351	.594 -.107	.590 -.089
.209 -.037	.713 -.183	.733 -.353	.700 -.422	.698 -.376	.693 -.157	.693 -.097
.247 -.170	.854 -.198	.835 -.346	.782 -.377	.780 -.173	.784 -.236	.777 -.146
.276 -.262	.980 -.231	.919 -.135	.864 -.130	.863 -.163	.856 -.269	.861 -.156
.324 -.340	1.074 -.236	.987 -.038	.926 -.041	.923 -.086	.926 -.168	.918 -.115
.361 -.340	1.122 -.119		.975 .001	.977 .017	.977 -.003	.972 .034
.396 -.279						
.438 -.231						
.487 -.093						
.518 -.067	-.658 .112	-.022 .305	.024 .158	.025 .044	.019 .034	.020 .101
.556 -.110	-.615 .094	.038 .033	.075 -.123	.074 -.173	.066 -.280	.076 -.289
.574 -.173	-.572 .086	.101 -.089	.137 -.225	.130 -.230	.136 -.237	.136 -.342
.593 -.093	-.462 -.021	.185 -.178	.213 -.228	.214 -.266	.214 -.203	.221 -.289
.632 .025	-.329 -.071	.289 -.210	.297 -.181	.298 -.256	.489 -.214	.295 -.278
.670 .032	-.172 -.154	.298 -.269	.400 -.163	.397 -.152	.594 -.166	.396 -.258
.747 -.062	-.030 -.199	.519 -.172	.498 -.203	.501 -.154	.700 .044	.497 -.318
.766 -.119	.128 -.180	.620 -.070	.604 -.141	.603 -.150	.786 .155	.597 -.131
.785 -.282	.418 -.191	.737 .075	.705 .062	.703 .054	.858 .221	.702 .069
.804 -.321	.564 -.189	.831 .168	.785 .173	.784 .181	.919 .240	.786 .158
.823 -.247	.710 -.007	.914 .213	.859 .228	.868 .241	.967 .120	.864 .201
.842 -.196	.857 .144	.986 .097	.922 .239	.923 .249		.912 .216
.861 -.129	.976 .199	1.012 -.043	.967 .129	.972 .097		.985 .047
.881 -.138	1.072 .163		1.000 -.075			
.900 -.160	1.110 .063					
.938 -.092						

~~CONFIDENTIAL~~

TABLE II-43

CONFIGURATION 136

M = 0.99

Q = 923

$\alpha = 3.55^\circ$

$C_L = 0.4590$

$\beta = -2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.038												
.057	-.147												
.076	-.265												
.080	-.234	-.658	-.123	-.021	-.746	.023	-.719	.025	-.727	.022	-.640	.018	-.630
.085	-.308	-.565	-.243	.035	-.790	.068	-.854	.079	-.810	.075	-.794	.077	-.779
.093	-.274	-.452	-.293	.105	-.702	.134	-.820	.133	-.806	.129	-.785	.129	-.778
.113	.112	-.311	-.373	.178	-.545	.209	-.769	.214	-.792	.201	-.774	.209	-.751
.115	.136	-.023	-.421	.286	-.467	.294	-.710	.295	-.736	.294	-.718	.293	-.714
.137	.077	.133	-.387	.396	-.471	.404	-.465	.407	-.696	.397	-.718	.396	-.669
.138	.098	.272	-.316	.514	-.388	.497	-.402	.502	-.398	.495	-.661	.494	-.231
.163	.050	.416	-.285	.618	-.341	.599	-.371	.601	-.350	.594	-.129	.590	-.063
.162	.060	.565	-.237	.733	-.359	.700	-.415	.698	-.372	.693	-.185	.693	-.055
.209	-.036	.713	-.187	.835	-.327	.782	-.387	.780	-.194	.784	-.262	.777	-.097
.247	-.174	.854	-.201	.919	-.129	.864	-.129	.863	-.182	.856	-.263	.861	-.128
.276	-.263	.980	-.228	.587	-.037	.926	-.047	.923	-.087	.926	-.144	.918	-.130
.324	-.343	1.074	-.244			.975	.001	.977	.014	.977	-.006	.972	.029
.361	-.344	1.122	-.108										
.396	-.280												
.438	-.240												
.487	-.097												
.518	-.066	-.658	.113	-.022	.316	.024	.173	.025	.043	.019	.075	.020	.138
.556	-.114	-.615	.100	.038	.040	.075	-.097	.074	-.161	.066	-.236	.076	-.260
.574	-.171	-.572	.078	.101	-.074	.137	-.165	.130	-.205	.136	-.230	.136	-.300
.593	-.080	-.462	-.016	.185	-.162	.213	-.135	.214	-.223	.214	-.179	.221	-.291
.632	.033	-.329	-.061	.289	-.197	.297	-.169	.298	-.147	.489	-.196	.295	-.296
.670	.027	-.172	-.147	.398	-.246	.400	-.229	.397	-.190	.594	-.167	.396	-.266
.747	-.067	-.030	-.185	.519	-.118	.498	-.237	.501	-.190	.700	.041	.497	-.318
.766	-.122	.128	-.183	.620	-.078	.604	-.106	.603	-.131	.786	.154	.597	-.145
.785	-.286	.418	-.189	.737	.073	.705	.066	.703	.058	.858	.214	.702	.056
.804	-.321	.564	-.177	.831	.177	.785	.178	.784	.182	.919	.240	.786	.151
.823	-.249	.710	.021	.514	.219	.859	.227	.868	.251	.967	.107	.864	.181
.842	-.198	.857	.167	.986	.101	.922	.235	.923	.253			.912	.209
.861	-.132	.976	.214	1.012	-.039	.967	.122	.972	.096			.985	.036
.881	-.136	1.072	.178			1.000	-.089						
.900	-.161	1.110	.068										
.938	-.092												

TABLE II-44

CONFIGURATION 136

M = 0.99

Q = 923

$\alpha = 4.16^\circ$

$C_L = 0.5334$

$\beta = -2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.021												
.057	-.152												
.076	-.271												
.080	-.238	-.658	-.146	-.021	-.811	.023	-.794	.025	-.782	.022	-.710	.018	-.677
.085	-.315	-.565	-.255	.035	-.860	.068	-.917	.079	-.863	.075	-.846	.077	-.819
.093	-.272	-.452	-.316	.105	-.747	.134	-.882	.133	-.862	.129	-.830	.129	-.825
.113	.105	-.311	-.383	.178	-.584	.209	-.854	.214	-.842	.201	-.820	.209	-.800
.115	.124	-.023	-.440	.286	-.496	.294	-.789	.295	-.801	.294	-.770	.293	-.766
.137	.070	.133	-.406	.396	-.499	.404	-.706	.407	-.779	.397	-.768	.396	-.758
.138	.096	.272	-.336	.514	-.403	.497	-.437	.502	-.745	.495	-.747	.494	-.733
.163	.042	.416	-.302	.618	-.372	.599	-.395	.601	-.449	.594	-.711	.590	-.523
.162	.051	.565	-.253	.733	-.367	.700	-.434	.698	-.332	.693	-.194	.693	-.118
.209	-.038	.713	-.203	.835	-.335	.782	-.384	.780	-.211	.784	-.205	.777	-.025
.247	-.174	.854	-.214	.919	-.130	.864	-.170	.863	-.171	.856	-.199	.861	-.044
.276	-.267	.980	-.239	.587	-.049	.926	-.065	.923	-.081	.926	-.072	.918	-.029
.324	-.347	1.074	-.249			.975	-.014	.977	-.009	.977	-.023	.972	.037
.361	-.351	1.122	-.119										
.396	-.293												
.438	-.250												
.487	-.108												
.518	-.073	-.658	.119	-.022	.341	.024	.243	.025	.122	.019	.141	.020	.166
.556	-.118	-.615	.108	.038	.067	.075	.004	.074	-.094	.066	-.177	.076	-.208
.574	-.182	-.572	.088	.101	-.042	.137	-.094	.130	-.137	.136	-.185	.136	-.270
.593	-.081	-.462	-.004	.185	-.126	.213	-.114	.214	-.137	.214	-.155	.221	-.279
.632	.022	-.329	-.050	.289	-.079	.297	-.141	.298	-.154	.489	-.226	.295	-.272
.670	.022	-.172	-.138	.398	-.132	.400	-.184	.397	-.198	.594	-.178	.396	-.262
.747	-.075	-.030	-.177	.519	-.125	.498	-.175	.501	-.134	.700	.030	.497	-.318
.766	-.126	.128	-.161	.620	-.062	.604	-.098	.603	-.134	.786	.136	.597	-.204
.785	-.288	.418	-.165	.737	.083	.705	.054	.703	.040	.858	.206	.702	.014
.804	-.323	.564	-.082	.831	.190	.785	.171	.784	.168	.919	.222	.786	.102
.823	-.246	.710	.054	.914	.229	.859	.227	.868	.227	.967	.085	.864	.153
.842	-.192	.857	.180	.986	.101	.922	.235	.923	.237			.912	.162
.861	-.133	.976	.223	1.012	-.060	.967	.104	.972	.069			.985	-.039
.881	-.144	1.072	.182			1.000	-.128						
.900	-.163	1.110	.068										
.938	-.089												

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-45 CONFIGURATION 136

M = 0.99

Q = 923

$\alpha = 5.44^\circ$

$C_L = 0.6733$

$\beta = -2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.008												
.057	-.169												
.076	-.279												
.080	-.233	-.658	-.195	-.021	-.929	.023	-.916	.025	-.905	.022	-.822	.018	-.789
.085	-.317	-.565	-.292	.035	-1.043	.068	-1.025	.079	-.964	.075	-.941	.077	-.916
.093	-.274	-.452	-.339	.105	-1.001	.134	-.983	.133	-.960	.129	-.922	.129	-.923
.113	.101	-.311	-.414	.178	-.737	.209	-.958	.214	-.930	.201	-.912	.209	-.887
.115	.123	-.023	-.462	.286	-.526	.294	-.910	.295	-.882	.294	-.862	.293	-.854
.137	.071	.133	-.424	.396	-.536	.404	-.854	.407	-.879	.397	-.852	.396	-.845
.138	.100	.272	-.353	.514	-.447	.497	-.627	.502	-.862	.495	-.836	.494	-.824
.163	.043	.416	-.320	.618	-.356	.599	-.488	.601	-.852	.594	-.757	.590	-.795
.162	.057	.565	-.258	.733	-.390	.700	-.449	.698	-.482	.693	-.333	.693	-.466
.209	-.051	.713	-.201	.835	-.310	.782	-.352	.780	-.412	.784	-.201	.777	-.262
.247	-.183	.854	-.218	.919	-.123	.864	-.184	.863	-.330	.856	-.162	.861	-.166
.276	-.279	.980	-.252	.987	-.065	.926	-.093	.923	-.261	.926	-.185	.918	-.106
.324	-.355	1.074	-.273			.975	-.044	.977	-.152	.977	-.175	.972	-.065
.361	-.364	1.122	-.143										
.396	-.306												
.438	-.263												
.487	-.103												
.518	-.070	-.658	.128	-.022	.413	.024	.358	.025	.255	.019	.249	.020	.255
.556	-.124	-.615	.131	.038	.188	.075	.110	.074	.033	.066	-.050	.076	-.115
.574	-.193	-.572	.118	.101	.078	.137	.010	.130	-.044	.136	-.092	.136	-.194
.593	-.122	-.462	.027	.185	.017	.213	-.044	.214	-.090	.214	-.110	.221	-.222
.632	.008	-.329	-.023	.289	-.010	.297	-.075	.298	-.103	.489	-.189	.295	-.231
.670	-.005	-.172	-.117	.398	-.056	.400	-.117	.397	-.134	.594	-.181	.396	-.260
.747	-.098	-.030	-.141	.519	-.071	.498	-.111	.501	-.126	.700	.008	.497	-.317
.766	-.142	.128	-.092	.620	-.032	.604	-.090	.603	-.153	.786	.122	.597	-.253
.785	-.291	.418	-.066	.737	.106	.705	.054	.703	.027	.858	.190	.702	-.031
.804	-.326	.564	-.011	.831	.213	.785	.181	.784	.164	.919	.210	.786	.065
.823	-.257	.710	.097	.914	.246	.859	.240	.868	.228	.967	.059	.864	.109
.842	-.196	.857	.218	.986	.058	.922	.242	.923	.231			.912	.113
.861	-.134	.976	.248	1.012	-.074	.967	.079	.972	.047			.985	-.135
.881	-.145	1.072	.192			1.000	-.223						
.900	-.168	1.110	.077										
.938	-.086												

TABLE II-46 CONFIGURATION 136

M = 0.99

Q = 923

$\alpha = 6.73^\circ$

$C_L = 0.7956$

$\beta = -2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	-.023												
.057	-.172												
.076	-.281												
.080	-.220	-.658	-.246	-.021	-1.040	.023	-1.023	.025	-1.003	.022	-.934	.018	-.871
.085	-.314	-.565	-.342	.035	-1.153	.068	-1.111	.079	-1.047	.075	-1.033	.077	-1.002
.093	-.266	-.452	-.383	.105	-1.125	.134	-1.077	.133	-1.032	.129	-1.006	.129	-1.000
.113	.094	-.311	-.447	.178	-1.079	.209	-1.037	.214	-1.015	.201	-.994	.209	-.962
.115	.125	-.023	-.489	.286	-.645	.294	-1.007	.295	-.968	.294	-.953	.293	-.922
.137	.070	.133	-.445	.396	-.562	.404	-.978	.407	-.958	.397	-.928	.396	-.898
.138	.094	.272	-.368	.514	-.469	.497	-.844	.502	-.957	.495	-.880	.494	-.857
.163	.037	.416	-.316	.618	-.417	.599	-.655	.601	-.913	.594	-.686	.590	-.651
.162	.048	.565	-.256	.733	-.408	.700	-.512	.698	-.534	.693	-.490	.693	-.482
.209	-.053	.713	-.210	.835	-.303	.782	-.385	.780	-.477	.784	-.436	.777	-.333
.247	-.190	.854	-.231	.919	-.136	.864	-.269	.863	-.436	.856	-.380	.861	-.268
.276	-.205	.980	-.256	.987	-.081	.926	-.175	.923	-.386	.926	-.357	.918	-.259
.324	-.364	1.074	-.304			.975	-.143	.977	-.325	.977	-.333	.972	-.223
.361	-.373	1.122	-.159										
.396	-.313												
.438	-.255												
.487	-.093												
.518	-.066	-.658	.138	-.022	.463	.024	.436	.025	.349	.019	.334	.020	.327
.556	-.134	-.615	.151	.038	.280	.075	.201	.074	.127	.066	.041	.076	-.022
.574	-.203	-.572	.137	.101	.156	.137	.098	.130	.032	.136	-.023	.136	-.124
.593	-.143	-.462	.064	.185	.103	.213	.042	.214	-.024	.214	-.063	.221	-.171
.632	-.012	-.329	.013	.289	.052	.297	.003	.298	-.053	.489	-.167	.295	-.178
.670	-.025	-.172	-.081	.398	.004	.400	-.057	.397	-.089	.594	-.174	.396	-.238
.747	-.113	-.030	-.080	.519	-.020	.498	-.071	.501	-.120	.700	.005	.497	-.304
.766	-.159	.128	-.016	.620	.004	.604	-.066	.603	-.139	.786	.118	.597	-.255
.785	-.299	.418	.004	.737	.127	.705	.057	.703	.024	.858	.194	.702	-.048
.804	-.318	.564	.037	.831	.232	.785	.177	.784	.161	.919	.213	.786	.047
.823	-.244	.710	.136	.914	.259	.859	.234	.868	.227	.967	.052	.864	.097
.842	-.198	.857	.249	.986	.102	.922	.227	.923	.227			.912	.097
.861	-.142	.976	.274	1.012	-.075	.967	.044	.972	.037			.985	-.214
.881	-.159	1.072	.208			1.000	-.400						
.900	-.177	1.110	.089										
.938	-.087												

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-47

CONFIGURATION 136

M = 0.99

Q = 923

$\alpha = 8.00^\circ$

$C_L = 0.8837$

$\beta = -2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	-.046												
.057	-.180												
.076	-.295												
.080	-.224	-.658	-.297	-.021	-1.126	.023	-1.117	.025	-1.087	.022	-.982	.018	-.819
.085	-.328	-.565	-.375	.035	-1.218	.068	-1.178	.079	-1.125	.075	-1.036	.077	-.557
.093	-.267	-.452	-.423	.105	-1.169	.134	-1.127	.133	-1.089	.129	-.951	.129	-.747
.113	.086	-.311	-.479	.178	-1.107	.209	-1.100	.214	-1.054	.201	-.939	.209	-.504
.115	.106	-.023	-.503	.286	-.888	.294	-1.081	.295	-1.023	.294	-.737	.293	-.598
.137	.067	.133	-.454	.396	-.779	.404	-.937	.407	-.865	.397	-.658	.396	-.576
.138	.094	.272	-.371	.514	-.628	.497	-.772	.502	-.664	.495	-.597	.494	-.470
.163	.036	.416	-.331	.618	-.475	.599	-.651	.601	-.578	.594	-.527	.590	-.438
.162	.054	.565	-.271	.733	-.416	.700	-.536	.698	-.524	.693	-.509	.693	-.450
.209	-.064	.713	-.228	.835	-.382	.782	-.447	.780	-.485	.784	-.464	.777	-.429
.247	-.206	.854	-.253	.919	-.203	.864	-.372	.863	-.476	.856	-.443	.861	-.391
.276	-.292	.980	-.282	.987	-.086	.926	-.335	.923	-.451	.926	-.465	.918	-.389
.324	-.376	1.074	-.333			.975	-.313	.977	-.427	.977	-.423	.972	-.367
.361	-.385	1.122	-.194										
.396	-.318												
.438	-.250												
.487	-.095												
.518	-.080	-.658	.141	-.022	.492	.024	.508	.025	.427	.019	.401	.020	.386
.556	-.152	-.615	.174	.038	.337	.075	.282	.074	.201	.066	.123	.076	.045
.574	-.217	-.572	.170	.101	.236	.137	.152	.130	.121	.136	.031	.136	-.056
.593	-.213	-.462	.101	.185	.158	.213	.103	.214	.034	.214	-.010	.221	-.114
.632	-.038	-.329	.048	.289	.105	.297	.053	.298	-.004	.489	-.135	.295	-.142
.670	-.044	-.172	-.025	.398	.054	.400	-.004	.397	-.055	.594	-.161	.396	-.221
.747	-.121	-.030	-.014	.519	.027	.498	-.036	.501	-.099	.700	.009	.497	-.280
.766	-.163	.128	.033	.620	.039	.604	-.050	.603	-.130	.786	.126	.597	-.242
.785	-.279	.418	.044	.737	.148	.705	.055	.703	.028	.858	.202	.702	-.046
.804	-.307	.564	.078	.831	.251	.785	.174	.784	.166	.919	.218	.786	.043
.823	-.256	.710	.168	.914	.272	.859	.231	.868	.229	.967	.049	.864	.093
.842	-.209	.857	.268	.986	.116	.922	.224	.923	.228			.912	.093
.861	-.165	.976	.289	1.012	-.051	.967	.035	.972	.034			.985	-.243
.881	-.175	1.072	.221			1.000	-.445						
.900	-.194	1.110	.094										
.938	-.118												
LOWER SURFACE													

TABLE II-48

CONFIGURATION 136

M = 0.99

Q = 923

$\alpha = 9.25^\circ$

$C_L = 0.9506$

$\beta = -2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	-.050												
.057	-.185												
.076	-.293												
.080	-.219	-.658	-.342	-.021	-1.156	.023	-1.172	.025	-.991	.022	-.561	.018	-.401
.085	-.320	-.565	-.434	.035	-1.199	.068	-1.226	.079	-1.059	.075	-.568	.077	-.411
.093	-.266	-.452	-.461	.105	-1.203	.134	-1.176	.133	-1.044	.129	-.551	.129	-.399
.113	.085	-.311	-.508	.178	-1.099	.209	-1.156	.214	-.901	.201	-.508	.209	-.390
.115	.107	-.023	-.517	.286	-1.038	.294	-1.045	.295	-.847	.294	-.551	.293	-.381
.137	.064	.133	-.469	.396	-1.020	.404	-.887	.407	-.770	.397	-.560	.396	-.367
.138	.089	.272	-.386	.514	-.967	.497	-.777	.502	-.726	.495	-.508	.494	-.353
.163	.034	.416	-.333	.618	-.857	.599	-.681	.601	-.671	.594	-.475	.590	-.346
.162	.047	.565	-.281	.733	-.399	.700	-.592	.698	-.637	.693	-.493	.693	-.341
.209	-.074	.713	-.242	.835	-.376	.782	-.561	.780	-.596	.784	-.476	.777	-.331
.247	-.211	.854	-.269	.919	-.244	.864	-.514	.863	-.592	.856	-.489	.861	-.320
.276	-.299	.980	-.302	.987	-.082	.926	-.483	.923	-.582	.926	-.488	.918	-.321
.324	-.382	1.074	-.358			.975	-.449	.977	-.546	.977	-.464	.972	-.315
.361	-.389	1.122	-.295										
.396	-.310												
.438	-.237												
.487	-.095												
.518	-.092	-.658	.151	-.022	.516	.024	.553	.025	.482	.019	.475	.020	.451
.556	-.167	-.615	.184	.038	.395	.075	.342	.074	.274	.066	.197	.076	.127
.574	-.239	-.572	.190	.101	.256	.137	.228	.130	.161	.136	.093	.136	.012
.593	-.277	-.462	.135	.185	.208	.213	.155	.214	.093	.214	.036	.221	-.066
.632	-.051	-.329	.089	.289	.164	.297	.107	.298	.043	.489	-.107	.295	-.110
.670	-.052	-.172	.026	.398	.103	.400	.045	.397	-.024	.594	-.137	.396	-.191
.747	-.107	-.030	.033	.519	.073	.498	-.004	.501	-.076	.700	.012	.497	-.256
.766	-.139	.128	.079	.620	.072	.604	-.040	.603	-.110	.786	.126	.597	-.229
.785	-.276	.418	.090	.737	.167	.705	.059	.703	.036	.858	.201	.702	-.049
.804	-.306	.564	.123	.831	.264	.785	.168	.784	.167	.919	.221	.786	.037
.823	-.256	.710	.200	.914	.283	.859	.234	.868	.237	.967	.032	.864	.089
.842	-.211	.857	.305	.986	.080	.922	.222	.923	.232			.912	.091
.861	-.167	.976	.315	1.012	-.218	.967	.021	.972	.032			.985	-.250
.881	-.174	1.072	.239			1.000	-.453						
.900	-.204	1.110	.101										
.938	-.176												
LOWER SURFACE													

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-49 CONFIGURATION 136 M = 0.99 Q = 923 $\alpha = 10.31^\circ$ $C_L = 1.0129$ $\beta = -2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	-.057												
.057	-.197												
.076	-.284												
.080	-.214	-.658	-.385	-.021	-1.225	.023	-1.144	.025	-.769	.022	-.448	.018	-.388
.085	-.317	-.565	-.473	.035	-1.194	.068	-1.125	.079	-.692	.075	-.449	.077	-.396
.093	-.259	-.452	-.503	.105	-1.203	.134	-1.130	.133	-.698	.129	-.432	.129	-.397
.113	.088	-.311	-.531	.178	-1.137	.209	-1.055	.214	-.749	.201	-.459	.209	-.377
.115	.110	-.023	-.525	.286	-1.099	.294	-1.007	.295	-.695	.294	-.443	.293	-.378
.137	.068	.133	-.474	.396	-1.086	.404	-.963	.407	-.674	.397	-.436	.396	-.373
.138	.087	.272	-.387	.514	-1.074	.497	-.883	.502	-.698	.495	-.442	.494	-.371
.163	.040	.416	-.334	.618	-1.055	.599	-.817	.601	-.655	.594	-.437	.590	-.367
.162	.056	.565	-.281	.733	-.479	.700	-.755	.698	-.642	.693	-.440	.693	-.362
.209	-.074	.713	-.246	.835	-.358	.782	-.740	.780	-.649	.784	-.438	.777	-.347
.247	-.215	.854	-.281	.919	-.293	.864	-.746	.863	-.637	.856	-.433	.861	-.351
.276	-.300	.980	-.306	.987	-.056	.926	-.709	.923	-.615	.926	-.438	.916	-.357
.324	-.386	1.074	-.368			.975	-.656	.977	-.576	.977	-.432	.972	-.348
.361	-.387	1.122	-.266										
.396	-.303												
.438	-.227												
.487	-.107												
.518	-.112	-.658	.155	-.022	.531	.024	.584	.025	.523	.019	.516	.020	.497
.556	-.182	-.615	.201	.038	.431	.075	.383	.074	.335	.066	.265	.076	.191
.574	-.257	-.572	.217	.101	.347	.137	.276	.130	.226	.136	.152	.136	.077
.593	-.296	-.462	.152	.185	.263	.213	.201	.214	.131	.214	.094	.221	-.014
.632	-.060	-.325	.118	.289	.199	.297	.150	.298	.083	.489	-.074	.295	-.075
.670	-.052	-.172	.064	.398	.140	.400	.075	.397	.008	.594	-.111	.396	-.150
.747	-.080	-.030	.075	.519	.112	.498	.021	.501	-.037	.700	.025	.497	-.224
.766	-.132	.128	.110	.620	.058	.604	-.018	.603	-.085	.786	.135	.597	-.198
.785	-.272	.418	.130	.737	.185	.705	.068	.703	.051	.858	.212	.702	-.052
.804	-.302	.564	.147	.831	.275	.785	.176	.784	.186	.919	.231	.786	.039
.823	-.263	.710	.231	.914	.293	.859	.244	.868	.247	.967	.038	.864	.098
.842	-.228	.857	.327	.986	.073	.922	.222	.923	.247			.912	.094
.861	-.179	.976	.332	1.012	-.381	.967	.027	.972	.034			.985	-.249
.881	-.192	1.072	.251			1.000	-.478						
.900	-.216	1.110	.108										
.938	-.199												
LOWER SURFACE													

TABLE II-50 CONFIGURATION 136 M = 0.99 Q = 923 $\alpha = 0.09^\circ$ $C_L = -0.0078$ $\beta = -2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.264												
.057	.002												
.076	-.118												
.080	-.106	-.658	-.061	-.021	-.198	.023	-.289	.025	-.246	.022	-.022	.018	.275
.085	-.205	-.565	-.197	.035	-.504	.068	-.508	.079	-.353	.075	-.278	.077	-.027
.093	-.172	-.452	-.276	.105	-.506	.134	-.447	.133	-.410	.129	-.262	.129	-.043
.113	.108	-.311	-.371	.178	-.490	.209	-.485	.214	-.421	.201	-.270	.209	-.068
.115	.158	-.023	-.430	.286	-.371	.294	-.403	.295	-.311	.294	-.106	.293	-.101
.137	.085	.133	-.420	.396	-.411	.404	-.394	.407	-.266	.397	-.022	.396	-.143
.138	.138	.272	-.323	.514	-.303	.497	-.278	.502	-.232	.495	-.077	.494	-.205
.163	.075	.416	-.260	.618	-.268	.599	-.270	.601	-.282	.594	-.158	.590	-.261
.162	.115	.565	-.178	.733	-.286	.700	-.344	.698	-.310	.693	-.233	.693	-.348
.209	-.025	.713	-.114	.835	-.322	.782	-.407	.780	-.115	.784	-.353	.777	-.467
.247	-.177	.854	-.116	.919	-.201	.864	-.110	.863	-.168	.856	-.467	.861	-.055
.276	-.273	.980	-.140	.987	.010	.926	.039	.923	-.087	.926	-.085	.918	.052
.324	-.339	1.074	-.147			.975	.070	.977	.065	.977	.005	.972	.099
.361	-.342	1.122	-.075										
.396	-.261												
.438	-.188												
.487	-.014												
.518	.023	-.658	-.009	-.022	.038	.024	-.221	.025	-.434	.019	-.449	.020	-.525
.556	-.012	-.615	-.038	.038	-.219	.075	-.443	.074	-.640	.066	-.509	.076	-.691
.574	-.045	-.572	-.057	.101	-.263	.137	-.483	.130	-.612	.136	-.426	.136	-.586
.593	.015	-.462	-.132	.185	-.349	.213	-.467	.214	-.562	.214	-.270	.221	-.387
.632	.077	-.329	-.191	.289	-.370	.297	-.468	.298	-.519	.489	-.148	.295	-.272
.670	.082	-.172	-.237	.398	-.409	.400	-.494	.397	.028	.594	-.072	.396	-.293
.747	.017	-.030	-.290	.519	-.455	.498	-.388	.501	-.000	.700	.048	.497	-.230
.766	-.040	.128	-.301	.620	-.234	.604	-.010	.603	-.062	.786	.105	.597	-.031
.785	-.193	.418	-.278	.737	-.029	.705	.069	.703	.079	.858	.142	.702	.093
.804	-.150	.564	-.299	.831	.050	.785	.113	.784	.204	.919	.156	.786	.144
.823	-.099	.710	-.177	.914	.130	.859	.122	.868	.268	.967	.116	.864	.178
.842	-.065	.857	-.003	.986	.155	.922	.157	.923	.278			.912	.187
.861	-.004	.976	.079	1.012	.084	.967	.174	.972	.189			.985	.097
.881	.012	1.072	.081			1.000	.126						
.900	-.008	1.110	.024										
.938	-.028												
LOWER SURFACE													

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-51 CONFIGURATION 136 M = 0.99 Q = 923 $\alpha = 1.46^\circ$ $C_L = 0.1730$ $\beta = 2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.239												
.057	-.019												
.076	-.147												
.080	-.117	-.658	-.121	-.021	-.387	.023	-.445	.025	-.407	.022	-.175	.018	-.021
.085	-.221	-.565	-.261	.035	-.675	.068	-.659	.079	-.522	.075	-.435	.077	-.349
.093	-.175	-.452	-.311	.105	-.617	.134	-.606	.133	-.556	.129	-.434	.129	-.378
.113	.094	-.311	-.413	.178	-.601	.209	-.605	.214	-.566	.201	-.485	.209	-.255
.115	.150	-.023	-.466	.286	-.557	.294	-.619	.295	-.498	.294	-.430	.293	-.066
.137	.070	.133	-.461	.396	-.490	.404	-.590	.407	-.495	.397	-.445	.396	-.061
.138	.128	.272	-.360	.514	-.356	.497	-.449	.502	-.507	.495	-.432	.494	-.140
.163	.064	.416	-.304	.618	-.333	.599	-.377	.601	-.509	.594	-.174	.590	-.240
.162	.092	.565	-.229	.733	-.337	.700	-.397	.698	-.418	.693	-.051	.693	-.304
.209	-.051	.713	-.154	.835	-.371	.782	-.446	.780	-.144	.784	-.173	.777	-.377
.247	-.198	.854	-.166	.919	-.182	.864	-.105	.863	-.038	.856	-.288	.861	-.085
.276	-.290	.980	-.193	.987	-.005	.926	-.008	.923	.030	.926	-.142	.918	.029
.324	-.356	1.074	-.191			.975	.024	.977	.070	.977	.030	.972	.093
.361	-.360	1.122	-.107										
.396	-.282												
.438	-.211												
.487	-.060												
.518	-.013	-.658	.018	-.022	.137	.024	-.080	.025	-.252	.019	-.016	.020	-.095
.556	-.045	-.615	-.006	.038	-.134	.075	-.321	.074	-.450	.066	-.266	.076	-.367
.574	-.078	-.572	-.026	.101	-.204	.137	-.358	.130	-.345	.136	-.174	.136	-.333
.593	-.017	-.462	-.110	.185	-.267	.213	-.383	.214	.000	.214	-.171	.221	-.295
.632	.068	-.329	-.163	.289	-.302	.297	-.379	.298	-.070	.489	-.123	.295	-.255
.670	.081	-.172	-.217	.398	-.346	.400	-.422	.397	-.126	.594	-.090	.396	-.252
.747	.021	-.030	-.265	.519	-.370	.498	-.092	.501	-.081	.700	.073	.497	-.222
.766	-.040	.128	-.268	.620	-.161	.604	-.019	.603	-.045	.786	.155	.597	-.042
.785	-.188	.418	-.254	.737	.024	.705	.106	.703	.104	.858	.213	.702	.105
.804	-.148	.564	-.268	.831	.107	.785	.182	.784	.196	.919	.224	.786	.180
.823	-.108	.710	-.117	.914	.171	.859	.216	.868	.251	.967	.144	.864	.219
.842	-.076	.857	.053	.986	.140	.922	.225	.923	.259			.912	.230
.861	-.014	.976	.119	1.012	.051	.967	.189	.972	.174			.985	.097
.881	-.003	1.072	.114			1.000	.111						
.900	-.021	1.110	.041										
.938	-.043												
LOWER SURFACE													

TABLE II-52 CONFIGURATION 136 M = 0.99 Q = 923 $\alpha = 2.79^\circ$ $C_L = 0.3465$ $\beta = 2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.217												
.057	-.043												
.076	-.161												
.080	-.125	-.658	-.171	-.021	-.601	.023	-.559	.025	-.498	.022	-.276	.018	-.239
.085	-.242	-.565	-.302	.035	-.739	.068	-.756	.079	-.630	.075	-.575	.077	-.545
.093	-.185	-.452	-.351	.105	-.755	.134	-.733	.133	-.640	.129	-.561	.129	-.559
.113	.093	-.311	-.441	.178	-.711	.209	-.721	.214	-.659	.201	-.556	.209	-.530
.115	.142	-.023	-.497	.286	-.671	.294	-.709	.295	-.620	.294	-.515	.293	-.496
.137	.060	.133	-.488	.396	-.575	.404	-.707	.407	-.636	.397	-.548	.396	-.521
.138	.120	.272	-.384	.514	-.470	.497	-.716	.502	-.629	.495	-.565	.494	-.526
.163	.048	.416	-.328	.618	-.416	.599	-.578	.601	-.640	.594	-.570	.590	-.524
.162	.082	.565	-.256	.733	-.397	.700	-.469	.698	-.626	.693	-.538	.693	-.313
.209	-.062	.713	-.203	.835	-.371	.782	-.479	.780	-.207	.784	-.159	.777	-.014
.247	-.212	.854	-.208	.919	-.137	.864	-.150	.863	-.165	.856	-.110	.861	-.009
.276	-.302	.980	-.225	.987	-.024	.926	-.074	.923	-.153	.926	-.067	.918	.032
.324	-.366	1.074	-.223			.975	-.066	.977	-.149	.977	-.054	.972	.100
.361	-.371	1.122	-.136										
.396	-.301												
.438	-.241												
.487	-.091												
.518	-.047	-.658	.037	-.022	.207	.024	.064	.025	.039	.019	.130	.020	.215
.556	-.079	-.615	.019	.038	-.052	.075	-.200	.074	-.114	.066	-.113	.076	-.082
.574	-.113	-.572	.007	.101	-.150	.137	-.236	.130	-.138	.136	-.122	.136	-.112
.593	-.060	-.462	-.077	.185	-.211	.213	-.181	.214	-.133	.214	-.088	.221	-.132
.632	.060	-.329	-.127	.289	-.241	.297	-.117	.298	-.133	.489	-.054	.295	-.169
.670	.071	-.172	-.196	.398	-.270	.400	-.149	.397	-.103	.594	-.030	.396	-.167
.747	.013	-.030	-.236	.519	-.171	.498	-.159	.501	-.082	.700	.108	.497	-.175
.766	-.044	.128	-.229	.620	-.051	.604	-.065	.603	-.045	.786	.187	.597	-.044
.785	-.186	.418	-.225	.737	.072	.705	.066	.703	.116	.858	.233	.702	.088
.804	-.142	.564	-.217	.831	.153	.785	.170	.784	.219	.919	.244	.786	.159
.823	-.111	.710	-.050	.914	.200	.859	.215	.868	.272	.967	.150	.864	.203
.842	-.082	.857	.095	.986	.116	.922	.233	.923	.286			.912	.216
.861	-.025	.976	.163	1.012	.012	.967	.167	.972	.208			.985	.064
.881	-.018	1.072	.142			1.000	.047						
.900	-.033	1.110	.051										
.938	-.054												
LOWER SURFACE													

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-53		CONFIGURATION 136		M = 0.99		Q = 923		$\alpha = 3.31^\circ$		$C_L = 0.4100$		$\beta = 2.50^\circ$	
STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933							
X/C	X/C	X/C	X/C	X/C	X/C	X/C							
CP	CP	CP	CP	CP	CP	CP							
.019	.206												
.057	-.049												
.076	-.170												
.080	-.129	-.658	-.198	-.021	-.666	.023	-.607	.025	-.557	.022	-.367	.018	-.301
.085	-.245	-.565	-.329	.035	-.811	.068	-.789	.079	-.669	.075	-.644	.077	-.593
.093	-.190	-.452	-.372	.105	-.823	.134	-.780	.133	-.679	.129	-.628	.129	-.603
.113	.094	-.311	-.466	.178	-.749	.209	-.777	.214	-.696	.201	-.644	.209	-.595
.115	.132	-.023	-.508	.286	-.693	.294	-.744	.295	-.649	.294	-.581	.293	-.552
.137	.054	.133	-.497	.396	-.619	.404	-.771	.407	-.661	.397	-.611	.396	-.570
.138	.107	.272	-.402	.514	-.492	.497	-.773	.502	-.660	.495	-.598	.494	-.588
.163	.040	.416	-.344	.618	-.441	.599	-.747	.601	-.683	.594	-.603	.590	-.573
.162	.073	.565	-.269	.733	-.419	.700	-.506	.698	-.643	.693	-.489	.693	-.413
.209	-.076	.713	-.219	.835	-.373	.782	-.486	.780	-.235	.784	-.187	.777	-.080
.247	-.223	.854	-.225	.919	-.132	.864	-.180	.863	-.217	.856	-.161	.861	-.021
.276	-.312	.980	-.248	.987	-.052	.926	-.143	.923	-.216	.926	-.123	.918	.006
.324	-.375	1.074	-.240			.975	-.103	.977	-.200	.977	-.122	.972	.015
.361	-.378	1.122	-.134										
.396	-.309												
.438	-.253												
.487	-.098												
.518	-.055	-.658	.045	-.022	.228	.024	.152	.025	.099	.019	.166	.020	.217
.556	-.090	-.615	.032	.038	-.022	.075	-.078	.074	-.078	.066	-.065	.076	-.064
.574	-.127	-.572	.012	.101	-.113	.137	-.119	.130	-.122	.136	-.093	.136	-.114
.593	-.071	-.462	-.070	.185	-.186	.213	-.154	.214	-.117	.214	-.077	.221	-.134
.632	.048	-.329	-.118	.289	-.212	.297	-.174	.298	-.126	.489	-.058	.295	-.141
.670	.064	-.172	-.189	.398	-.190	.400	-.135	.397	-.083	.594	-.034	.396	-.149
.747	.006	-.030	-.227	.519	-.056	.498	-.096	.501	-.076	.700	.104	.497	-.126
.766	-.052	.128	-.219	.620	-.079	.604	-.089	.603	-.049	.786	.190	.597	-.012
.785	-.189	.418	-.218	.737	.066	.705	.062	.703	.106	.858	.233	.702	.134
.804	-.119	.564	-.188	.831	.167	.785	.164	.784	.210	.919	.260	.786	.193
.823	-.107	.710	-.005	.914	.203	.859	.213	.868	.260	.967	.177	.864	.234
.842	-.084	.857	.137	.986	.107	.922	.225	.923	.274			.912	.239
.861	-.026	.976	.188	1.012	.004	.967	.148	.972	.191			.985	.129
.881	-.022	1.072	.164			1.000	.026						
.900	-.038	1.110	.061										
.938	-.063												
UPPER SURFACE													
LCWER SURFACE													

TABLE II-54		CONFIGURATION 136		M = 0.99		Q = 923		$\alpha = 3.36^\circ$		$C_L = 0.4127$		$\beta = 2.50^\circ$	
STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.213												
.057	-.049												
.076	-.167												
.080	-.129	-.658	-.189	-.021	-.670	.023	-.601	.025	-.542	.022	-.366	.018	-.298
.085	-.243	-.565	-.327	.035	-.813	.068	-.778	.079	-.683	.075	-.631	.077	-.584
.093	-.184	-.452	-.373	.105	-.810	.134	-.773	.133	-.685	.129	-.619	.129	-.601
.113	.091	-.311	-.455	.178	-.760	.209	-.763	.214	-.691	.201	-.637	.209	-.598
.115	.134	-.023	-.508	.286	-.695	.294	-.761	.295	-.650	.294	-.577	.293	-.556
.137	.051	.133	-.496	.396	-.634	.404	-.756	.407	-.668	.397	-.609	.396	-.573
.138	.111	.272	-.393	.514	-.458	.497	-.764	.502	-.669	.495	-.603	.494	-.579
.163	.044	.416	-.344	.618	-.444	.599	-.735	.601	-.677	.594	-.611	.590	-.574
.162	.075	.565	-.271	.733	-.465	.700	-.518	.698	-.598	.693	-.494	.693	-.379
.209	-.066	.713	-.219	.835	-.365	.782	-.485	.780	-.235	.784	-.191	.777	-.091
.247	-.216	.854	-.223	.919	-.135	.864	-.191	.863	-.215	.856	-.145	.861	-.014
.276	-.312	.980	-.246	.987	-.050	.926	-.120	.923	-.206	.926	-.140	.918	-.007
.324	-.371	1.074	-.231			.975	-.117	.977	-.212	.977	-.126	.972	.028
.361	-.378	1.122	-.138										
.396	-.304												
.438	-.252												
.487	-.098												
.518	-.054	-.658	.048	-.022	.225	.024	.147	.025	.093	.019	.171	.020	.237
.556	-.088	-.615	.035	.038	-.012	.075	-.087	.074	-.070	.066	-.070	.076	-.062
.574	-.127	-.572	.020	.101	-.110	.137	-.118	.130	-.124	.136	-.097	.136	-.114
.593	-.068	-.462	-.070	.185	-.186	.213	-.156	.214	-.126	.214	-.082	.221	-.127
.632	.047	-.329	-.120	.289	-.209	.297	-.170	.298	-.129	.489	-.056	.295	-.144
.670	.067	-.172	-.184	.398	-.185	.400	-.176	.397	-.099	.594	-.033	.396	-.148
.747	.012	-.030	-.230	.519	-.102	.498	-.112	.501	-.083	.700	.101	.497	-.131
.766	-.044	.128	-.223	.620	-.057	.604	-.085	.603	-.053	.786	.189	.597	-.021
.785	-.187	.418	-.217	.737	.066	.705	.061	.703	.105	.858	.238	.702	.131
.804	-.124	.564	-.186	.831	.158	.785	.165	.784	.211	.919	.258	.786	.199
.823	-.104	.710	-.016	.914	.203	.859	.215	.868	.260	.967	.179	.864	.234
.842	-.080	.857	.127	.986	.103	.922	.228	.923	.275			.912	.245
.861	-.026	.976	.191	1.012	-.018	.967	.142	.972	.189			.985	.126
.881	-.014	1.072	.156			1.000	.021						
.900	-.037	1.110	.062										
.938	-.054												
UPPER SURFACE													
LOWER SURFACE													

~~CONFIDENTIAL~~

TABLE II-55 CONFIGURATION 136 M = 0.99 Q = 923 $\alpha = 3.49^\circ$ $C_L = 0.4377$ $\beta = 2.50^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
UPPER SURFACE						
.019 .206						
.057 -.055						
.076 -.170						
.080 -.133	-.658 -.195	-.021 -.688	.023 -.623	.025 -.581	.022 -.373	.018 -.340
.085 -.252	-.565 -.336	.035 -.832	.068 -.788	.079 -.696	.075 -.659	.077 -.617
.093 -.188	-.452 -.382	.105 -.856	.134 -.785	.133 -.711	.129 -.634	.129 -.628
.113 .082	-.311 -.466	.178 -.755	.209 -.791	.214 -.711	.201 -.666	.209 -.618
.115 .127	-.023 -.512	.286 -.707	.294 -.777	.295 -.674	.294 -.623	.293 -.594
.137 .044	.133 -.510	.396 -.639	.404 -.773	.407 -.684	.397 -.625	.396 -.598
.138 .105	.272 -.408	.514 -.502	.497 -.784	.502 -.691	.495 -.624	.494 -.608
.163 .042	.416 -.354	.618 -.447	.599 -.765	.601 -.700	.594 -.627	.590 -.598
.162 .074	.565 -.283	.733 -.419	.700 -.542	.698 -.491	.693 -.462	.693 -.382
.209 -.078	.713 -.226	.835 -.368	.782 -.491	.780 -.253	.784 -.210	.777 -.115
.247 -.220	.854 -.237	.919 -.123	.864 -.204	.863 -.236	.856 -.176	.861 -.054
.276 -.315	.980 -.255	.987 -.049	.926 -.145	.923 -.234	.926 -.159	.918 -.029
.324 -.378	1.074 -.239		.975 -.130	.977 -.236	.977 -.155	.972 -.002
.361 -.384	1.122 -.142					
.396 -.314						
.438 -.253						
.487 -.105						
.518 -.061	-.658 .051	-.022 .232	.024 .167	.025 .117	.019 .175	.020 .235
.556 -.094	-.615 .030	.038 -.009	.075 -.049	.074 -.065	.066 -.070	.076 -.051
.574 -.130	-.572 .017	.101 -.112	.137 -.112	.130 -.104	.136 -.083	.136 -.110
.593 -.064	-.462 -.071	.185 -.182	.213 -.118	.214 -.117	.214 -.074	.221 -.127
.632 .047	-.329 -.120	.289 -.203	.297 -.143	.298 -.120	.489 -.053	.295 -.135
.670 .061	-.172 -.192	.398 -.113	.400 -.152	.397 -.085	.594 -.035	.396 -.146
.747 -.001	.030 .231	.519 -.125	.498 -.122	.501 -.080	.700 .099	.497 -.135
.766 -.048	.128 -.220	.620 -.062	.604 -.084	.603 -.051	.786 .184	.597 -.045
.785 -.195	.418 -.218	.737 .067	.705 .053	.703 .103	.858 .239	.702 .113
.804 -.124	.564 -.172	.831 .167	.785 .162	.784 .207	.919 .251	.786 .190
.823 -.112	.710 .000	.914 .207	.859 .211	.868 .257	.967 .172	.864 .224
.842 -.089	.857 .144	.986 .103	.922 .227	.923 .271		.912 .234
.861 -.032	.976 .190	1.012 -.001	.967 .142	.972 .183		.985 .137
.881 -.024	1.072 .158		1.000 .018			
.900 -.040	1.110 .059					
.938 -.066						

TABLE II-56 CONFIGURATION 136 M = 0.99 Q = 923 $\alpha = 4.08^\circ$ $C_L = 0.5100$ $\beta = 2.50^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
UPPER SURFACE						
.019 .198						
.057 -.061						
.076 -.180						
.080 -.134	-.658 -.231	-.021 -.757	.023 -.673	.025 -.634	.022 -.451	.018 -.403
.085 -.256	-.565 -.360	.035 -.922	.068 -.837	.079 -.742	.075 -.712	.077 -.653
.093 -.187	-.452 -.412	.105 -.914	.134 -.824	.133 -.767	.129 -.704	.129 -.668
.113 .082	-.311 -.491	.178 -.895	.209 -.826	.214 -.763	.201 -.716	.209 -.667
.115 .125	-.023 -.534	.286 -.748	.294 -.813	.295 -.715	.294 -.664	.293 -.640
.137 .048	.133 -.526	.396 -.704	.404 -.815	.407 -.734	.397 -.680	.396 -.656
.138 .098	.272 -.422	.514 -.530	.497 -.819	.502 -.736	.495 -.670	.494 -.654
.163 .038	.416 -.361	.618 -.476	.599 -.824	.601 -.743	.594 -.675	.590 -.643
.162 .066	.565 -.294	.733 -.441	.700 -.744	.698 -.345	.693 -.472	.693 -.475
.209 -.084	.713 -.243	.835 -.369	.782 -.451	.780 -.286	.784 -.260	.777 -.168
.247 -.232	.854 -.253	.919 -.138	.864 -.295	.863 -.272	.856 -.232	.861 -.128
.276 -.327	.980 -.273	.987 -.075	.926 -.212	.923 -.268	.926 -.235	.918 -.114
.324 -.383	1.074 -.256		.975 -.189	.977 -.276	.977 -.218	.972 -.089
.361 -.391	1.122 -.159					
.396 -.323						
.438 -.265						
.487 -.117						
.518 -.072	-.658 .057	-.022 .253	.024 .226	.025 .176	.019 .208	.020 .255
.556 -.104	-.615 .044	.038 .025	.075 .005	.074 -.015	.066 -.029	.076 -.028
.574 -.147	-.572 .031	.101 -.075	.137 -.057	.130 -.069	.136 -.061	.136 -.090
.593 -.082	-.462 -.055	.185 -.111	.213 -.094	.214 -.101	.214 -.063	.221 -.118
.632 .031	-.329 -.104	.289 -.050	.297 -.112	.298 -.100	.489 -.057	.295 -.134
.670 .052	-.172 -.172	.398 -.112	.400 -.121	.397 -.082	.594 -.042	.396 -.146
.747 -.004	.030 .214	.519 -.101	.498 -.107	.501 -.077	.700 .092	.497 -.136
.766 -.057	.128 -.198	.620 -.059	.604 -.078	.603 -.056	.786 .179	.597 -.063
.785 -.198	.418 -.197	.737 .074	.705 .054	.703 .098	.858 .225	.702 .075
.804 -.146	.564 -.117	.831 .172	.785 .162	.784 .195	.919 .243	.786 .143
.823 -.111	.710 .042	.914 .212	.859 .212	.868 .253	.967 .163	.864 .187
.842 -.087	.857 .161	.986 .091	.922 .225	.923 .264		.912 .204
.861 -.032	.976 .200	1.012 -.037	.967 .134	.972 .170		.985 .134
.881 -.026	1.072 .165		1.000 -.003			
.900 -.047	1.110 .061					
.938 -.040						

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-57 CONFIGURATION 136 M = 0.99 Q = 923 $\alpha = 5.47^\circ$ $C_L = 0.6677$ $\beta = 2.50^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .480 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
.019 .174						
.057 -.077						
.076 -.193						
.080 -.145	-.658 -.281	-.021 -.873	.023 -.807	.025 -.759	.022 -.621	.018 -.545
.085 -.269	-.565 -.404	.035 -1.035	.068 -.950	.079 -.847	.075 -.812	.077 -.755
.093 -.197	-.452 -.455	.105 -1.023	.134 -.940	.133 -.871	.129 -.803	.129 -.783
.113 .074	-.311 -.526	.178 -1.018	.209 -.918	.214 -.853	.201 -.818	.209 -.776
.115 .117	-.023 -.558	.286 -.987	.294 -.913	.295 -.817	.294 -.768	.293 -.746
.137 .038	.133 -.541	.396 -.812	.404 -.907	.407 -.828	.397 -.782	.396 -.763
.138 .092	.272 -.434	.514 -.573	.497 -.894	.502 -.829	.495 -.770	.494 -.745
.163 .034	.416 -.377	.618 -.494	.599 -.903	.601 -.766	.594 -.774	.590 -.735
.162 .052	.565 -.308	.733 -.464	.700 -.917	.698 -.378	.693 -.385	.693 -.660
.209 -.101	.713 -.256	.835 -.333	.782 -.492	.780 -.359	.784 -.330	.777 -.278
.247 -.251	.854 -.278	.919 -.140	.864 -.508	.863 -.353	.856 -.312	.861 -.246
.276 -.334	.980 -.297	.987 -.080	.926 -.534	.923 -.358	.926 -.305	.918 -.235
.324 -.394	1.074 -.293		.975 -.530	.977 -.353	.977 -.299	.972 -.234
.361 -.400	1.122 -.178					
.396 -.338						
.438 -.288						
.487 -.134						
.518 -.073	-.658 -.070	-.022 .338	.024 .341	.025 .267	.019 .295	.020 .301
.556 -.114	-.615 .074	.038 .167	.075 .118	.074 .083	.066 .048	.076 .017
.574 -.162	-.572 .055	.101 .081	.137 .036	.130 .011	.136 -.001	.136 -.059
.593 -.097	-.462 -.026	.185 .028	.213 -.004	.214 -.032	.214 -.024	.221 -.105
.632 .029	-.329 -.065	.289 .010	.297 -.032	.298 -.036	.489 -.068	.295 -.132
.670 .028	-.172 -.147	.398 -.038	.400 -.068	.397 -.059	.594 -.081	.396 -.182
.747 -.040	-.030 -.178	.519 -.041	.498 -.068	.501 -.056	.700 .035	.497 -.205
.766 -.077	.128 -.145	.620 -.017	.604 -.051	.603 -.050	.786 .116	.597 -.132
.785 -.209	.418 -.068	.737 .097	.705 .065	.703 .086	.858 .179	.702 -.011
.804 -.185	.564 -.014	.831 .195	.785 .163	.784 .188	.919 .190	.786 .085
.823 -.120	.710 .084	.914 .223	.859 .220	.868 .243	.967 .053	.864 .128
.842 -.096	.857 .203	.986 .090	.922 .225	.923 .241		.912 .145
.861 -.044	.976 .230	1.012 -.050	.967 .124	.972 .114		.985 .027
.881 -.039	1.072 .181		1.000 -.018			
.900 -.057	1.110 .066					
.938 -.004						

UPPER SURFACE

LCMER SURFACE

TABLE II-58 CONFIGURATION 136 M = 0.99 Q = 923 $\alpha = 6.68^\circ$ $C_L = 0.7866$ $\beta = 2.50^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .480 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
.019 .154						
.057 -.099						
.076 -.205						
.080 -.152	-.658 -.356	-.021 -.949	.023 -.888	.025 -.860	.022 -.748	.018 -.663
.085 -.280	-.565 -.474	.035 -1.111	.068 -1.020	.079 -.939	.075 -.886	.077 -.832
.093 -.207	-.452 -.499	.105 -1.118	.134 -.938	.133 -.939	.129 -.878	.129 -.860
.113 .063	-.311 -.572	.178 -1.087	.209 -.991	.214 -.938	.201 -.886	.209 -.837
.115 .089	-.023 -.600	.286 -1.090	.294 -.967	.295 -.890	.294 -.857	.293 -.822
.137 .033	.133 -.567	.396 -1.072	.404 -.972	.407 -.909	.397 -.856	.396 -.825
.138 .078	.272 -.462	.514 -.714	.497 -.971	.502 -.905	.495 -.854	.494 -.813
.163 .021	.416 -.388	.618 -.592	.599 -.966	.601 -.485	.594 -.642	.590 -.802
.162 .045	.565 -.332	.733 -.475	.700 -.744	.698 -.429	.693 -.404	.693 -.804
.209 -.109	.713 -.290	.835 -.381	.782 -.525	.780 -.419	.784 -.350	.777 -.692
.247 -.258	.854 -.299	.919 -.180	.864 -.522	.863 -.405	.856 -.335	.861 -.381
.276 -.343	.980 -.332	.987 -.114	.926 -.549	.923 -.410	.926 -.320	.918 -.368
.324 -.403	1.074 -.328		.975 -.556	.977 -.401	.977 -.307	.972 -.353
.361 -.410	1.122 -.191					
.396 -.352						
.438 -.291						
.487 -.121						
.518 -.071	-.658 .079	-.022 .392	.024 .399	.025 .333	.019 .347	.020 .331
.556 -.122	-.615 .089	.038 .241	.075 .198	.074 .156	.066 .106	.076 .060
.574 -.178	-.572 .081	.101 .162	.137 .106	.130 .071	.136 .037	.136 -.034
.593 -.102	-.462 .009	.185 .104	.213 .048	.214 .025	.214 .002	.221 -.085
.632 .005	-.325 -.032	.289 .065	.297 .020	.298 .004	.489 -.079	.295 -.120
.670 -.001	-.172 -.119	.398 .014	.400 -.019	.397 -.032	.594 -.101	.396 -.177
.747 -.052	-.030 -.139	.519 -.007	.498 -.036	.501 -.045	.700 .011	.497 -.212
.766 -.103	.128 .070	.620 .011	.604 -.029	.603 -.054	.786 .094	.597 -.175
.785 -.217	.418 -.010	.737 .116	.705 .074	.703 .061	.858 .159	.702 -.050
.804 -.195	.564 .025	.831 .206	.785 .172	.784 .155	.919 .175	.786 .035
.823 -.120	.710 .121	.914 .237	.859 .221	.868 .214	.967 .029	.864 .082
.842 -.107	.857 .232	.986 .100	.922 .223	.923 .207		.912 .083
.861 -.057	.976 .259	1.012 -.040	.967 .103	.972 .046		.985 -.096
.881 -.054	1.072 .199		1.000 -.068			
.900 -.073	1.110 .081					
.938 .001						

UPPER SURFACE

LCMER SURFACE

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-59

CONFIGURATION 136

M = 0.99

Q = 923

 $\alpha = 7.97^\circ$ $C_L = 0.8757$ $\beta = 2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.139												
.057	-.102												
.076	-.209												
.080	-.155	-.658	-.410	-.021	-1.039	.023	-.984	.025	-.951	.022	-.836	.018	-.758
.085	-.287	-.565	-.526	.035	-1.170	.068	-1.082	.079	-1.010	.075	-.968	.077	-.915
.093	-.217	-.452	-.551	.105	-1.175	.134	-1.064	.133	-1.019	.129	-.955	.129	-.935
.113	-.054	-.311	-.600	.178	-1.165	.209	-1.054	.214	-1.002	.201	-.961	.209	-.912
.115	-.097	-.023	-.609	.286	-1.160	.294	-1.036	.295	-.966	.294	-.924	.293	-.894
.137	.025	.133	-.567	.396	-1.120	.404	-1.041	.407	-.975	.397	-.925	.396	-.896
.138	.073	.272	-.467	.514	-.872	.497	-1.032	.502	-.796	.495	-.892	.494	-.884
.163	.016	.416	-.404	.618	-.758	.599	-1.019	.601	-.501	.594	-.706	.590	-.875
.162	.025	.565	-.351	.733	-.711	.700	-.610	.698	-.461	.693	-.467	.693	-.868
.209	-.128	.713	-.319	.835	-.547	.782	-.581	.780	-.439	.784	-.379	.777	-.872
.247	-.269	.854	-.334	.919	-.375	.864	-.560	.863	-.427	.856	-.361	.861	-.511
.276	-.358	.980	-.354	.987	-.176	.926	-.574	.923	-.436	.926	-.347	.918	-.479
.324	-.412	1.074	-.355			.975	-.573	.977	-.412	.977	-.344	.972	-.462
.361	-.418	1.122	-.204										
.396	-.358												
.438	-.290												
.487	-.119												
LOWER SURFACE													
.518	-.083	-.658	.089	-.022	.415	.024	.469	.025	.401	.019	.389	.020	.378
.556	-.137	-.615	.108	.038	.310	.075	.275	.074	.225	.066	.157	.076	.110
.574	-.192	-.572	.105	.101	.224	.137	.177	.130	.137	.136	.068	.136	.012
.593	-.144	-.462	.041	.185	.166	.213	.108	.214	.069	.214	.015	.221	-.048
.632	-.016	-.329	-.000	.289	.119	.297	.073	.298	.031	.489	-.084	.295	-.098
.670	-.017	-.172	-.081	.398	.077	.400	.026	.397	-.021	.594	-.117	.396	-.161
.747	-.068	-.030	-.062	.519	.041	.498	.005	.501	-.053	.700	.003	.497	-.214
.766	-.113	.128	-.001	.620	.051	.604	-.007	.603	-.088	.786	.085	.597	-.206
.785	-.241	.418	.031	.737	.136	.705	.065	.703	.018	.858	.148	.702	-.085
.804	-.197	.564	.074	.831	.228	.785	.152	.784	.117	.919	.161	.786	-.019
.823	-.128	.710	.157	.914	.259	.859	.201	.868	.179	.967	-.008	.864	.029
.842	-.117	.857	.269	.986	.107	.922	.189	.923	.171			.912	.021
.861	-.070	.976	.278	1.012	-.038	.967	.014	.972	-.019			.985	-.246
.881	-.068	1.072	.218			1.000	-.267						
.900	-.088	1.110	.096										
.938	.008												

TABLE II-60

CONFIGURATION 136

M = 0.99

Q = 923

 $\alpha = 9.16^\circ$ $C_L = 0.9392$ $\beta = 2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.125												
.057	-.123												
.076	-.229												
.080	-.174	-.658	-.484	-.021	-1.102	.023	-1.055	.025	-1.009	.022	-.925	.018	-.846
.085	-.301	-.565	-.632	.035	-1.232	.068	-1.150	.079	-1.067	.075	-1.035	.077	-.983
.093	-.223	-.452	-.612	.105	-1.232	.134	-1.117	.133	-1.058	.129	-1.005	.129	-.995
.113	.050	-.311	-.643	.178	-1.227	.209	-1.114	.214	-1.042	.201	-.979	.209	-.975
.115	.075	-.023	-.633	.286	-1.195	.294	-1.086	.295	-.996	.294	-.943	.293	-.952
.137	.002	.133	-.566	.396	-1.046	.404	-1.063	.407	-.880	.397	-.852	.396	-.938
.138	.053	.272	-.477	.514	-.968	.497	-1.001	.502	-.701	.495	-.687	.494	-.904
.163	.012	.416	-.420	.618	-.875	.599	-.705	.601	-.605	.594	-.649	.590	-.825
.162	.003	.565	-.381	.733	-.831	.700	-.620	.698	-.541	.693	-.622	.693	-.805
.209	-.152	.713	-.356	.835	-.736	.782	-.580	.780	-.515	.784	-.517	.777	-.616
.247	-.283	.854	-.366	.919	-.573	.864	-.539	.863	-.501	.856	-.457	.861	-.494
.276	-.369	.980	-.380	.987	-.387	.926	-.513	.923	-.501	.926	-.468	.918	-.472
.324	-.419	1.074	-.379			.975	-.500	.977	-.487	.977	-.465	.972	-.469
.361	-.427	1.122	-.218										
.396	-.361												
.438	-.290												
.487	-.132												
LOWER SURFACE													
.518	-.100	-.658	.101	-.022	.431	.024	.507	.025	.466	.019	.440	.020	.410
.556	-.155	-.615	.127	.038	.362	.075	.335	.074	.290	.066	.229	.076	.171
.574	-.219	-.572	.133	.101	.274	.137	.234	.130	.195	.136	.136	.136	.054
.593	-.178	-.462	.077	.185	.221	.213	.166	.214	.122	.214	.073	.221	-.015
.632	-.043	-.329	.033	.289	.167	.297	.119	.298	.074	.489	-.072	.295	-.074
.670	-.042	-.172	-.034	.398	.116	.400	.073	.397	.006	.594	-.110	.396	-.145
.747	-.075	-.030	-.007	.519	.082	.498	.037	.501	-.035	.700	-.009	.497	-.205
.766	-.113	.128	.049	.620	.079	.604	.012	.603	-.081	.786	.071	.597	-.202
.785	-.219	.418	.077	.737	.163	.705	.073	.703	.013	.858	.139	.702	-.076
.804	-.216	.564	.108	.831	.246	.785	.150	.784	.114	.919	.151	.786	-.003
.823	-.143	.710	.189	.914	.267	.859	.191	.868	.176	.967	-.028	.864	.044
.842	-.134	.857	.290	.986	.122	.922	.169	.923	.158			.912	.046
.861	-.088	.976	.297	1.012	-.018	.967	-.021	.972	-.039			.985	-.231
.881	-.087	1.072	.226			1.000	-.462						
.900	-.107	1.110	.101										
.938	-.011												

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-61 CONFIGURATION 136 M = 0.99 Q = 923 $\alpha = 9.78^\circ$ $C_L = 0.9792$ $\beta = 2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.118												
.057	-.129												
.076	-.233												
.080	-.175	-.658	-.514	-.021	-1.134	.023	-1.082	.025	-1.052	.022	-.944	.018	-.884
.085	-.306	-.565	-.675	.035	-1.259	.068	-1.182	.079	-1.101	.075	-1.043	.077	-1.010
.093	-.231	-.452	-.635	.105	-1.255	.134	-1.155	.133	-1.077	.129	-1.022	.129	-1.013
.113	.044	-.311	-.668	.178	-1.222	.209	-1.120	.214	-1.043	.201	-.973	.209	-.993
.115	.077	-.023	-.641	.286	-1.176	.294	-1.088	.295	-1.007	.294	-.873	.293	-.967
.137	.012	.133	-.572	.396	-1.028	.404	-1.049	.407	-.832	.397	-.774	.396	-.896
.138	.047	.272	-.480	.514	-.925	.497	-.877	.502	-.712	.495	-.675	.494	-.853
.163	.007	.416	-.431	.618	-.891	.599	-.746	.601	-.628	.594	-.587	.590	-.767
.162	.003	.565	-.408	.733	-.884	.700	-.651	.698	-.588	.693	-.571	.693	-.640
.209	-.152	.713	-.379	.835	-.766	.782	-.597	.780	-.551	.784	-.525	.777	-.605
.247	-.287	.854	-.392	.919	-.645	.864	-.551	.863	-.530	.856	-.507	.861	-.515
.276	-.365	.980	-.396	.987	-.504	.926	-.537	.923	-.525	.926	-.509	.918	-.513
.324	-.422	1.074	-.395			.975	-.524	.977	-.498	.977	-.491	.972	-.484
.361	-.429	1.122	-.231										
.396	-.361												
.438	-.288												
.487	-.132												
.518	-.106	-.658	.100	-.022	.431	.024	.514	.025	.475	.019	.463	.020	.424
.556	-.167	-.615	.132	.038	.374	.075	.346	.074	.307	.066	.258	.076	.189
.574	-.236	-.572	.153	.101	.308	.137	.259	.130	.223	.136	.158	.136	.075
.593	-.210	-.462	.085	.185	.240	.213	.183	.214	.143	.214	.097	.221	.001
.632	-.059	-.329	.052	.289	.191	.297	.138	.298	.095	.489	-.059	.295	-.063
.670	-.051	-.172	-.008	.398	.127	.400	.086	.397	.031	.594	-.104	.396	-.126
.747	-.071	-.030	.011	.519	.097	.498	.051	.501	-.016	.700	-.009	.497	-.191
.766	-.103	.128	.066	.620	.094	.604	.025	.603	-.067	.786	.074	.597	-.193
.785	-.228	.418	.101	.737	.166	.705	.078	.703	.020	.858	.144	.702	-.076
.804	-.227	.564	.125	.831	.249	.785	.150	.784	.126	.919	.148	.786	-.006
.823	-.147	.710	.205	.914	.266	.859	.189	.868	.183	.967	-.028	.864	.045
.842	-.136	.857	.300	.986	.114	.922	.168	.923	.169			.912	.035
.861	-.109	.976	.313	1.012	-.047	.967	-.026	.972	-.036			.985	-.249
.881	-.098	1.072	.232			1.000	-.603						
.900	-.117	1.110	.096										
.938	-.041												

TABLE II-62 CONFIGURATION 136 M = 0.99 Q = 923 $\alpha = 10.40^\circ$ $C_L = 1.0153$ $\beta = 2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.108												
.057	-.144												
.076	-.235												
.080	-.178	-.658	-.546	-.021	-1.154	.023	-1.124	.025	-1.080	.022	-.809	.018	-.910
.085	-.313	-.565	-.757	.035	-1.273	.068	-1.204	.079	-1.103	.075	-.962	.077	-.757
.093	-.236	-.452	-.642	.105	-1.242	.134	-1.167	.133	-1.074	.129	-1.015	.129	-.826
.113	.041	-.311	-.677	.178	-1.231	.209	-1.132	.214	-1.056	.201	-.869	.209	-.731
.115	.068	-.023	-.654	.286	-1.133	.294	-1.115	.295	-1.023	.294	-.805	.293	-.900
.137	.007	.133	-.573	.396	-1.015	.404	-1.005	.407	-.819	.397	-.691	.396	-.674
.138	.036	.272	-.472	.514	-.936	.497	-.855	.502	-.714	.495	-.666	.494	-.598
.163	.002	.416	-.420	.618	-.932	.599	-.748	.601	-.651	.594	-.591	.590	-.682
.162	-.007	.565	-.406	.733	-.961	.700	-.677	.698	-.615	.693	-.583	.693	-.528
.209	-.155	.713	-.407	.835	-.826	.782	-.612	.780	-.590	.784	-.527	.777	-.552
.247	-.291	.854	-.428	.919	-.674	.864	-.579	.863	-.558	.856	-.531	.861	-.512
.276	-.367	.980	-.413	.987	-.573	.926	-.552	.923	-.552	.926	-.510	.918	-.474
.324	-.423	1.074	-.413			.975	-.539	.977	-.526	.977	-.499	.972	-.484
.361	-.429	1.122	-.252										
.396	-.360												
.438	-.279												
.487	-.138												
.518	-.119	-.658	.114	-.022	.439	.024	.326	.025	.497	.019	.472	.020	.436
.556	-.181	-.615	.147	.038	.395	.075	.377	.074	.333	.066	.275	.076	.206
.574	-.251	-.572	.149	.101	.327	.137	.271	.130	.229	.136	.180	.136	.102
.593	-.231	-.462	.113	.185	.268	.213	.202	.214	.165	.214	.109	.221	.013
.632	-.068	-.329	.076	.289	.208	.297	.157	.298	.111	.489	-.040	.295	-.041
.670	-.052	-.172	.013	.398	.149	.400	.097	.397	.039	.594	-.097	.396	-.119
.747	-.066	-.030	.032	.519	.113	.498	.059	.501	-.015	.700	-.001	.497	-.180
.766	-.106	.128	.088	.620	.111	.604	.024	.603	-.057	.786	.079	.597	-.183
.785	-.238	.418	.112	.737	.175	.705	.076	.703	.025	.858	.145	.702	-.075
.804	-.226	.564	.141	.831	.259	.785	.145	.784	.123	.919	.158	.786	-.012
.823	-.156	.710	.213	.914	.275	.859	.191	.868	.188	.967	-.028	.864	.036
.842	-.153	.857	.312	.986	.120	.922	.169	.923	.171			.912	.027
.861	-.101	.976	.323	1.012	-.047	.967	-.031	.972	-.031			.985	-.274
.881	-.111	1.072	.239			1.000	-.690						
.900	-.133	1.110	.102										
.938	-.052												

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-63

CONFIGURATION 136

M = 0.99

Q = 923

$\alpha = 10.95^\circ$

$C_L = 1.0409$

$\beta = 2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.101												
.057	-.148												
.076	-.249												
.080	-.190	-.658	-.574	-.021	-1.181	.023	-1.137	.025	-1.029	.022	-.747	.018	-.533
.085	-.321	-.565	-.841	.035	-1.252	.068	-1.199	.079	-1.038	.075	-.846	.077	-.593
.093	-.243	-.452	-.677	.105	-1.239	.134	-1.166	.133	-1.017	.129	-.838	.129	-.557
.113	.044	-.311	-.702	.178	-1.206	.209	-1.149	.214	-1.027	.201	-.780	.209	-.615
.115	.054	-.023	-.652	.286	-1.099	.294	-1.080	.295	-.865	.294	-.703	.293	-.588
.137	-.005	.133	-.567	.396	-1.052	.404	-.911	.407	-.754	.397	-.656	.396	-.513
.138	.026	.272	-.466	.514	-1.029	.497	-.821	.502	-.704	.495	-.668	.494	-.598
.163	.001	.416	-.416	.618	-1.039	.599	-.752	.601	-.673	.594	-.618	.590	-.554
.162	-.013	.565	-.396	.733	-1.070	.700	-.658	.698	-.635	.693	-.578	.693	-.488
.209	-.160	.713	-.411	.835	-.915	.782	-.627	.780	-.601	.784	-.580	.777	-.497
.247	-.292	.854	-.444	.519	-.784	.864	-.594	.863	-.581	.856	-.559	.861	-.469
.276	-.369	.980	-.442	.587	-.711	.926	-.572	.923	-.573	.926	-.562	.918	-.462
.324	-.431	1.074	-.434			.975	-.574	.977	-.549	.977	-.541	.972	-.447
.361	-.436	1.122	-.277										
.396	-.361												
.438	-.285												
.487	-.145												
.518	-.131	-.658	.116	-.022	.425	.024	.527	.025	.506	.019	.485	.020	.443
.556	-.204	-.615	.157	.038	.420	.075	-.393	.074	.352	.066	.299	.076	.225
.574	-.277	-.572	.167	.101	.350	.137	.294	.130	.258	.136	.196	.136	.132
.593	-.257	-.462	.118	.185	.285	.213	.222	.214	.180	.214	.127	.221	.025
.632	-.083	-.329	.092	.289	.237	.297	.175	.298	.122	.489	-.030	.295	-.026
.670	-.060	-.172	.036	.398	.177	.400	.111	.397	.052	.594	-.073	.396	-.105
.747	-.068	-.030	.065	.519	.131	.498	.070	.501	.001	.700	.010	.497	-.170
.766	-.117	.128	.104	.620	.116	.604	.033	.603	-.051	.786	.083	.597	-.173
.785	-.239	.418	.125	.737	.178	.705	.076	.703	.031	.858	.150	.702	-.076
.804	-.238	.564	.156	.831	.259	.785	.152	.784	.132	.919	.157	.786	-.010
.823	-.175	.710	.228	.514	.275	.859	.189	.868	.194	.967	-.032	.864	.035
.842	-.162	.857	.329	.986	.110	.922	.171	.923	.176			.912	.023
.861	-.116	.976	.332	1.012	-.066	.967	-.037	.972	-.028			.985	-.273
.881	-.125	1.072	.244			1.000	-.716						
.900	-.147	1.110	.103										
.938	-.085												
LOWER SURFACE													
.019	.344												
.057	.078												
.076	-.047												
.080	-.181	-.658	.042	-.021	.499	.023	.577	.025	.548	.022	.555	.018	.542
.085	-.115	-.565	-.016	.035	.419	.068	.441	.079	.420	.075	.399	.077	.357
.093	-.236	-.452	-.054	.105	.349	.134	.348	.133	.339	.129	.323	.129	.289
.113	.134	-.311	-.118	.178	.298	.209	.276	.214	.274	.201	.247	.209	.197
.115	.133	-.023	.042	.286	.230	.294	.226	.295	.224	.294	.198	.293	.124
.137	.189	.133	.123	.396	.175	.404	.165	.407	.147	.397	.131	.396	.033
.138	.129	.272	.167	.514	.159	.497	.108	.502	.085	.495	.057	.494	-.049
.163	.190	.416	.189	.618	.113	.599	.050	.601	.007	.594	-.021	.590	-.131
.162	.115	.565	.184	.733	.036	.700	-.037	.698	-.087	.693	-.131	.693	-.236
.209	.111	.713	.178	.835	-.040	.782	-.091	.780	-.200	.784	-.263	.777	-.359
.247	-.020	.854	.134	.919	-.139	.864	-.199	.862	-.369	.856	-.396	.861	-.485
.276	-.106	.980	.079	.987	-.148	.926	-.308	.923	-.504	.926	-.586	.918	-.629
.324	-.198	1.074	.010			.975	-.489	.977	-.691	.977	-.660	.972	-.633
.361	.037	1.122	-.053										
.396	.132												
.438	.196												
.487	.249												
.518	.237	-.658	-.219	-.022	-.938	.024	-1.119	.025	-.691	.019	-.392	.020	-.390
.556	.169	-.615	-.294	.038	-1.052	.075	-1.140	.074	-.684	.066	-.383	.076	-.381
.574	.116	-.572	-.316	.101	-1.035	.137	-1.110	.130	-.621	.136	-.441	.136	-.391
.593	.077	-.462	-.350	.185	-.982	.213	-1.102	.214	-.635	.214	-.437	.221	-.381
.632	.046	-.329	-.307	.289	-.971	.297	-1.065	.298	-.647	.489	-.438	.295	-.374
.670	.021	-.172	-.349	.398	-.955	.400	-.916	.397	-.687	.594	-.450	.396	-.395
.747	-.087	-.030	-.352	.519	-.892	.498	-.822	.501	-.671	.700	-.462	.497	-.397
.766	-.126	.128	-.336	.620	-.730	.604	-.762	.603	-.673	.786	-.466	.597	-.400
.785	-.311	.418	-.277	.737	-.264	.705	-.736	.703	-.664	.858	-.455	.702	-.392
.804	-.389	.564	-.356	.831	-.122	.785	-.711	.784	-.632	.919	-.450	.786	-.380
.823	-.374	.710	-.391	.914	-.027	.859	-.680	.868	-.598	.967	-.447	.864	-.384
.842	-.424	.857	-.223	.986	.056	.922	-.635	.923	-.579			.912	-.379
.861	-.109	.976	-.129	1.012	.043	.967	-.613	.972	-.575			.985	-.379
.881	-.068	1.072	-.023			1.000	-.814						
.900	-.047	1.110	-.095										
.938	-.039												
CM =			-.6575		-.8639		-.9602		-.6755		-.4369		-.3094
CM =			-.0655		-.0528		.0212		.0077		-.0197		-.0462

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

TABLE II-65 CONFIGURATION 136 M = 0.99 Q = 600 $\alpha = -7.04^\circ$ $C_L = -0.7088$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
UPPER SURFACE													
.019	.306												
.057	.030												
.076	-.091												
.080	-.202	-.658	.023	-.021	.452	.023	.506	.025	.466	.022	.517	.018	.522
.085	-.160	-.565	-.053	.035	.320	.068	.345	.079	.334	.075	.329	.077	.300
.093	-.252	-.452	-.091	.105	.257	.134	.262	.133	.264	.129	.265	.129	.231
.113	.160	-.311	-.165	.178	.201	.209	.200	.214	.194	.201	.197	.209	.145
.115	.163	-.023	-.146	.286	.146	.294	.141	.295	.160	.294	.151	.293	.073
.137	.179	.133	.053	.396	.095	.404	.093	.407	.100	.397	.083	.396	-.013
.138	.125	.272	.107	.514	.084	.497	.055	.502	.053	.495	.022	.494	-.091
.163	.159	.416	.137	.618	.050	.599	.001	.601	-.008	.594	-.054	.590	-.168
.162	.119	.565	.134	.733	-.016	.700	-.083	.698	-.091	.693	-.160	.693	-.270
.209	.074	.713	.136	.835	-.071	.782	-.149	.790	-.202	.784	-.291	.777	-.390
.247	-.056	.854	.095	.919	-.116	.864	-.158	.863	-.367	.856	-.424	.861	-.512
.276	-.144	.980	.047	.987	-.075	.926	-.096	.923	-.492	.926	-.606	.918	-.644
.324	-.236	1.074	-.004			.975	.035	.977	-.658	.977	-.608	.972	-.495
.361	-.205	1.122	-.021										
.396	.082												
.438	.150												
.487	.205												
LOWER SURFACE													
.518	.200	-.658	-.153	-.022	-.752	.024	-.996	.025	-.788	.019	-.405	.020	-.373
.556	.139	-.615	-.194	.038	-1.052	.075	-1.063	.074	-.766	.066	-.437	.076	-.368
.574	.098	-.572	-.226	.101	-1.009	.137	-1.045	.130	-.764	.136	-.428	.136	-.368
.593	.072	-.462	-.296	.185	-1.000	.213	-1.008	.214	-.724	.214	-.420	.221	-.347
.632	.048	-.329	-.289	.289	-.513	.297	-1.006	.298	-.675	.489	-.437	.295	-.364
.670	.021	-.172	-.332	.398	-.550	.400	-.906	.307	-.645	.594	-.442	.396	-.363
.747	-.074	-.030	-.379	.519	-.627	.498	-.769	.501	-.624	.700	-.435	.497	-.345
.766	-.117	.128	-.414	.620	-.616	.604	-.711	.603	-.636	.786	-.442	.597	-.349
.785	-.293	.418	-.275	.737	-.192	.705	-.744	.703	-.616	.858	-.437	.702	-.347
.804	-.357	.564	-.337	.831	-.130	.785	-.685	.784	-.593	.919	-.429	.786	-.352
.823	-.335	.710	-.321	.914	-.063	.859	-.668	.868	-.566	.967	-.427	.864	-.329
.842	-.352	.857	-.136	.986	.031	.922	-.517	.923	-.551			.912	-.341
.861	-.102	.976	-.010	1.012	.059	.967	-.387	.972	-.540			.985	-.331
.881	-.076	1.072	.042			1.000	-.075						
.900	-.060	1.110	-.003										
.938	.056												
CN =			-.4973		-.6563		-.8848		-.6445		-.3924		-.2439
CH =			-.0493		-.0539		.0359		-.0012		-.0244		-.0520

TABLE II-66 CONFIGURATION 136 M = 0.99 Q = 600 $\alpha = -4.75^\circ$ $C_L = -0.5442$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
UPPER SURFACE													
.019	.264												
.057	-.019												
.076	-.145												
.080	-.210	-.653	.013	-.021	.344	.023	.382	.025	.369	.022	.464	.018	.471
.085	-.201	-.565	-.087	.035	.171	.068	.201	.079	.218	.075	.251	.077	.222
.093	-.252	-.452	-.138	.105	.124	.134	.137	.133	.163	.129	.190	.129	.160
.118	.147	-.311	-.206	.178	.078	.209	.084	.214	.110	.201	.125	.209	.080
.115	.145	-.023	-.279	.286	.043	.294	.050	.295	.081	.294	.088	.293	.020
.137	.145	.133	-.162	.396	.002	.404	.013	.407	.026	.397	.044	.396	-.058
.138	.125	.272	.024	.514	.014	.497	-.017	.502	-.013	.495	-.023	.494	-.122
.163	.129	.416	.070	.618	-.011	.593	-.049	.601	-.084	.594	-.090	.590	-.196
.162	.095	.565	.070	.733	-.079	.700	-.111	.698	-.144	.693	-.181	.693	-.294
.209	.041	.713	.079	.835	-.109	.782	-.134	.780	-.213	.784	-.312	.777	-.409
.247	-.093	.854	.047	.919	-.092	.864	-.196	.863	-.327	.856	-.446	.861	-.529
.276	-.189	.980	.009	.987	.026	.926	-.205	.923	-.438	.926	-.621	.918	-.663
.324	-.271	1.074	-.013			.975	-.034	.977	-.573	.977	-.546	.972	-.345
.361	-.255	1.122	-.001										
.396	-.102												
.438	.089												
.487	.158												
LOWER SURFACE													
.518	.158	-.658	-.074	-.022	-.526	.024	-.863	.025	-.987	.019	-.558	.020	-.332
.556	.107	-.615	-.116	.038	-.822	.075	-.904	.074	-1.024	.066	-.527	.076	-.336
.574	.079	-.572	-.152	.101	-.730	.137	-.952	.130	-.978	.136	-.510	.136	-.307
.593	.061	-.462	-.245	.185	-.640	.213	-.951	.214	-.985	.214	-.476	.221	-.311
.632	.055	-.329	-.265	.289	-.538	.297	-.916	.298	-.846	.489	-.473	.295	-.295
.670	.027	-.172	-.308	.398	-.566	.400	-.886	.397	-.702	.594	-.476	.396	-.292
.747	-.062	-.030	-.356	.519	-.597	.498	-.841	.501	-.637	.700	-.504	.497	-.284
.766	-.110	.128	-.390	.620	-.524	.604	-.628	.603	-.600	.786	-.489	.597	-.293
.785	-.284	.418	-.327	.737	-.185	.705	-.042	.703	-.570	.858	-.469	.702	-.288
.804	-.337	.564	-.344	.831	-.140	.785	.028	.784	-.553	.919	-.448	.786	-.281
.823	-.302	.710	-.280	.914	-.021	.859	.024	.868	-.514	.967	-.444	.864	-.282
.842	-.267	.857	-.093	.986	.131	.922	.032	.923	-.470			.912	-.276
.861	-.090	.976	.010	1.012	.124	.967	.006	.972	-.408			.985	-.273
.881	-.058	1.072	.066			1.000	-.025						
.900	-.054	1.110	.033										
.938	.074												
CN =			-.3280		-.4846		-.5548		-.6520		-.4062		-.1566
CH =			-.0119		-.0371		-.0616		-.0205		-.0209		-.0567

~~CONFIDENTIAL~~

TABLE II-67													
CONFIGURATION 136				M = 0.99		Q = 600		$\alpha = -2.44^{\circ}$		$C_L = -0.3336$		$\beta = 0^{\circ}$	
STA	.044	STA	.133	STA	.307	STA	.480	STA	.653	STA	.804	STA	.933
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.230												
.057	-.015												
.076	-.145												
.080	-.178	-.658	-.004	-.021	.076	.023	.145	.025	.184	.022	.329	.018	.411
.085	-.200	-.565	-.120	.035	-.146	.068	-.003	.079	.052	.075	.119	.077	.150
.093	-.229	-.452	-.183	.105	-.063	.134	-.035	.133	.005	.129	.064	.129	.098
.113	.139	-.311	-.255	.178	-.088	.209	-.059	.214	-.019	.201	.019	.209	.036
.115	.149	-.023	-.329	.286	-.115	.294	-.075	.295	-.011	.294	.008	.293	-.015
.137	.122	.133	-.286	.396	-.146	.404	-.092	.407	-.047	.397	-.026	.396	-.080
.138	.123	.272	-.194	.514	-.069	.497	-.126	.502	-.088	.495	-.072	.494	-.134
.163	.107	.416	-.058	.618	-.081	.599	-.157	.601	-.138	.594	-.077	.590	-.175
.162	.097	.565	-.005	.733	-.153	.700	-.124	.698	-.192	.693	-.160	.693	-.246
.209	.015	.713	.017	.835	-.188	.782	-.139	.780	-.260	.784	-.277	.777	-.349
.247	-.127	.854	-.011	.919	-.106	.864	-.179	.863	-.208	.856	-.315	.861	-.464
.276	-.216	.980	-.034	.987	.046	.926	-.109	.923	-.094	.926	-.343	.918	-.606
.324	-.298	1.074	-.050			.975	.011	.977	.030	.977	-.388	.972	-.367
.361	-.290	1.122	-.011										
.396	-.204												
.438	-.058												
.487	.087												
.518	.101	-.658	-.020	-.022	-.202	.024	-.579	.025	-.750	.019	-.780	.020	-.497
.556	.065	-.615	-.079	.038	-.521	.075	-.641	.074	-.913	.066	-.873	.076	-.535
.574	.052	-.572	-.098	.101	-.472	.137	-.729	.130	-.887	.136	-.867	.136	-.413
.593	.045	-.462	-.178	.185	-.438	.213	-.727	.214	-.834	.214	-.856	.221	-.423
.632	.058	-.329	-.223	.289	-.463	.297	-.664	.298	-.855	.298	-.855	.295	-.376
.670	.047	-.172	-.267	.398	-.522	.400	-.666	.397	-.762	.394	-.523	.396	-.335
.747	-.039	-.030	-.319	.519	-.557	.498	-.668	.501	-.367	.700	-.407	.497	-.312
.766	-.093	.128	-.347	.620	-.452	.604	-.344	.603	-.192	.786	-.138	.597	-.315
.785	-.260	.418	-.329	.737	-.086	.705	-.086	.703	-.145	.858	.075	.702	-.294
.804	-.311	.564	-.353	.831	-.043	.785	.048	.784	-.171	.919	.009	.786	-.265
.823	-.279	.710	-.259	.914	.040	.859	.111	.868	-.127	.967	.032	.864	-.244
.842	-.227	.857	-.061	.986	.136	.922	.173	.923	-.118			.912	-.242
.861	-.055	.976	.041	1.012	.111	.967	.183	.972	-.042			.985	-.234
.881	-.036	1.072	.066			1.000	.093						
.900	-.039	1.110	.035										
.938	.042												
CN =			-.1407		-.2362		-.2963		-.4002		-.4119		-.1990
CM =			.0186		-.0244		-.0585		-.0518		-.0777		-.0576

TABLE II-68													
CONFIGURATION 136				M = 0.99		Q = 600		$\alpha = -1.81^{\circ}$		$C_L = -0.2587$		$\beta = 0^{\circ}$	
STA	.044	STA	.133	STA	.307	STA	.480	STA	.653	STA	.804	STA	.933
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.220												
.057	-.032												
.076	-.164												
.080	-.169	-.658	-.023	-.021	.005	.023	-.055	.025	.112	.022	.291	.018	.386
.085	-.205	-.565	-.139	.035	-.221	.068	-.143	.079	-.019	.075	.070	.077	.124
.093	-.225	-.452	-.204	.105	-.212	.134	-.125	.133	-.046	.129	.037	.129	.072
.113	.136	-.311	-.272	.178	-.094	.209	-.100	.214	-.066	.201	-.010	.209	.018
.115	.157	-.023	-.354	.286	-.110	.294	-.097	.295	-.051	.294	-.016	.293	-.027
.137	.116	.133	-.315	.396	-.181	.404	-.114	.407	-.046	.397	-.048	.396	-.089
.138	.122	.272	-.222	.514	-.144	.497	-.146	.502	-.091	.495	-.104	.494	-.134
.163	.098	.416	-.135	.618	-.102	.599	-.187	.601	-.151	.594	-.084	.590	-.192
.162	.101	.565	-.036	.733	-.155	.700	-.246	.698	-.208	.693	-.148	.693	-.274
.209	.008	.713	-.008	.835	-.202	.782	-.101	.780	-.296	.784	-.258	.777	-.317
.247	-.135	.854	-.023	.919	-.120	.864	-.162	.863	-.186	.856	-.343	.861	-.416
.276	-.223	.980	-.061	.987	.036	.926	-.087	.923	-.089	.926	-.129	.918	-.568
.324	-.304	1.074	-.057			.975	.002	.977	.039	.977	.003	.972	-.350
.361	-.296	1.122	-.013										
.396	-.220												
.438	-.095												
.487	.055												
.518	.093	-.658	-.004	-.022	-.117	.024	-.461	.025	-.648	.019	-.725	.020	-.560
.556	.058	-.615	-.046	.038	-.440	.075	-.568	.074	-.820	.066	-.928	.076	-.518
.574	.043	-.572	-.080	.101	-.403	.137	-.682	.130	-.841	.136	-.831	.136	-.443
.593	.048	-.462	-.161	.185	-.414	.213	-.668	.214	-.766	.214	-.833	.221	-.384
.632	.057	-.329	-.213	.289	-.456	.297	-.624	.298	-.805	.298	-.805	.295	-.355
.670	.044	-.172	-.260	.398	-.492	.400	-.612	.397	-.654	.394	-.518	.396	-.340
.747	-.035	-.030	-.314	.519	-.548	.498	-.574	.501	-.279	.700	-.230	.497	-.308
.766	-.094	.128	-.333	.620	-.422	.604	-.471	.603	-.179	.786	.128	.597	-.310
.785	-.261	.418	-.320	.737	-.070	.705	-.167	.703	-.168	.858	.279	.702	-.301
.804	-.305	.564	-.347	.831	-.022	.785	.130	.784	-.148	.919	.335	.786	-.283
.823	-.275	.710	-.245	.914	.063	.859	.301	.868	-.038	.967	.223	.864	-.243
.842	-.195	.857	-.049	.986	.149	.922	.315	.923	-.007			.912	-.229
.861	-.049	.976	.043	1.012	.106	.967	.210	.972	.131			.985	-.213
.881	-.031	1.072	.074			1.000	.080						
.900	-.039	1.110	.038										
.938	.007												
CN =			-.0739		-.1689		-.2146		-.3126		-.3370		-.1949
CM =			.0284		-.0223		-.0616		-.0586		-.0955		-.0540

~~CONFIDENTIAL~~

TABLE II-69 CONFIGURATION 136 M = 0.99 Q = 600 $\alpha = -0.09^\circ$ $C_L = -0.0233$ $\beta = 0^\circ$

STA	.044	STA	.133	STA	.307	STA	.480	STA	.653	STA	.804	STA	.933
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.210												
.057	-.045												
.076	-.172												
.080	-.175	-.658	-.048	-.021	-.189	.023	-.271	.025	-.169	.022	.186	.018	.261
.085	-.227	-.565	-.171	.035	-.445	.068	-.374	.079	-.276	.075	-.024	.077	-.019
.093	-.228	-.452	-.236	-.105	-.391	.134	-.364	.133	-.256	.129	-.043	.129	-.039
.113	.137	-.311	-.310	.178	-.325	.209	-.352	.214	-.215	.201	-.067	.209	-.076
.115	.158	-.023	-.384	.286	-.317	.294	-.326	.295	-.204	.294	-.067	.293	-.116
.137	.111	.133	-.351	.396	-.310	.404	-.216	.407	-.196	.397	-.081	.396	-.158
.138	.122	.272	-.266	.514	-.243	.497	-.219	.502	-.180	.495	-.130	.494	-.201
.163	.087	.416	-.214	.618	-.215	.599	-.250	.601	-.024	.594	-.182	.590	-.254
.162	.098	.565	-.134	.733	-.256	.700	-.325	.698	-.156	.693	-.263	.693	-.328
.209	-.007	.713	-.083	.835	-.273	.782	-.242	.780	-.261	.784	-.343	.777	-.435
.247	-.151	.854	-.102	.919	-.133	.864	-.063	.863	-.331	.856	-.346	.861	-.149
.276	-.242	.980	-.128	.987	.046	.926	.036	.923	-.118	.926	-.180	.918	.009
.324	-.318	1.074	-.112			.975	.118	.977	.010	.977	-.014	.972	.095
.361	-.319	1.122	-.040										
.396	-.245												
.438	-.160												
.487	-.014												
.518	.024	-.658	.028	-.022	.045	.024	-.206	.025	-.407	.019	-.522	.020	-.495
.556	-.023	-.615	-.016	.038	-.241	.075	-.446	.074	-.630	.066	-.759	.076	-.702
.574	-.035	-.572	-.040	.101	-.278	.137	-.509	.130	-.640	.136	-.648	.136	-.668
.593	.020	-.462	-.116	.185	-.348	.213	-.504	.214	-.645	.214	-.579	.221	-.657
.632	.071	-.329	-.181	.289	-.374	.297	-.493	.298	-.586	.489	-.126	.295	-.405
.670	.063	-.172	-.231	.398	-.424	.400	-.545	.397	-.527	.594	-.089	.396	-.271
.747	-.030	-.030	-.285	.519	-.480	.498	-.558	.501	-.080	.700	.058	.497	-.130
.766	-.088	.128	-.302	.620	-.305	.604	-.341	.603	.045	.786	.128	.597	-.001
.785	-.254	.418	-.282	.737	-.032	.705	.090	.703	.131	.858	.182	.702	.085
.804	-.297	.564	-.303	.831	.045	.785	.180	.784	.185	.919	.207	.786	.129
.823	-.248	.710	-.191	.914	.111	.859	.228	.868	.234	.967	.141	.864	.161
.842	-.110	.857	-.002	.986	.132	.922	.266	.923	.247			.912	.155
.861	-.039	.976	.079	1.012	.089	.967	.206	.972	.189			.985	.091
.881	-.043	1.072	.092			1.000	.104						
.900	-.064	1.110	.035										
.938	-.037												
CN =			.0867		.0519		-.0072		-.0134		-.0659		-.0575
CH =			.0311		-.0203		-.0436		-.0860		-.1093		-.0950

TABLE II-70 CONFIGURATION 136 M = 0.99 Q = 600 $\alpha = 2.33^\circ$ $C_L = 0.3082$ $\beta = 0^\circ$

STA	.044	STA	.133	STA	.307	STA	.480	STA	.653	STA	.804	STA	.933
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.179												
.057	-.071												
.076	-.198												
.080	-.181	-.658	-.121	-.021	-.499	.023	-.561	.025	-.522	.022	-.362	.018	-.333
.085	-.255	-.565	-.243	.035	-.703	.068	-.712	.079	-.621	.075	-.589	.077	-.589
.093	-.221	-.452	-.299	.105	-.664	.134	-.706	.133	-.641	.129	-.567	.129	-.573
.118	.119	-.311	-.369	.178	-.602	.209	-.680	.214	-.635	.201	-.570	.209	-.517
.115	.144	-.023	-.436	.286	-.443	.294	-.594	.295	-.590	.294	-.539	.293	-.511
.137	.092	.133	-.412	.396	-.467	.404	-.559	.407	-.538	.397	-.547	.396	-.319
.138	.115	.272	-.329	.514	-.379	.497	-.450	.502	-.501	.495	-.470	.494	-.095
.163	.066	.416	-.284	.618	-.337	.599	-.363	.601	-.336	.594	-.177	.590	-.097
.162	.084	.565	-.221	.733	-.353	.700	-.401	.698	-.372	.693	-.092	.693	-.196
.209	-.037	.713	-.179	.835	-.340	.782	-.463	.780	-.277	.784	-.213	.777	-.308
.247	-.178	.854	-.186	.919	-.144	.864	-.189	.863	-.137	.856	-.286	.861	-.151
.276	-.268	.980	-.215	.987	-.018	.926	-.034	.923	-.053	.926	-.190	.918	-.088
.324	-.339	1.074	-.201			.975	.021	.977	.044	.977	-.002	.972	.061
.361	-.347	1.122	-.110										
.396	-.276												
.438	-.222												
.487	-.078												
.518	-.043	-.658	.060	-.022	.203	.024	.040	.025	-.150	.019	.016	.020	.119
.556	-.078	-.615	.041	.038	-.072	.075	-.220	.074	-.344	.066	-.257	.076	-.194
.574	-.130	-.572	.015	.101	-.152	.137	-.301	.130	-.223	.136	-.217	.136	-.220
.593	-.066	-.462	-.072	.185	-.240	.213	-.338	.214	-.183	.214	-.162	.221	-.206
.632	.044	-.329	-.127	.289	-.268	.297	-.344	.298	-.070	.489	-.085	.295	-.202
.670	.053	-.172	-.189	.398	-.325	.400	-.401	.397	-.164	.594	-.044	.396	-.200
.747	-.022	-.030	-.240	.519	-.300	.498	-.253	.501	-.115	.700	.119	.497	-.125
.766	-.082	.128	-.236	.620	-.146	.604	-.068	.603	-.051	.786	.226	.597	.016
.785	-.237	.418	-.229	.737	.039	.705	.082	.703	.130	.858	.285	.702	.165
.804	-.257	.564	-.238	.831	.126	.785	.190	.784	.234	.919	.309	.786	.248
.823	-.179	.710	-.085	.914	.175	.859	.236	.868	.294	.967	.223	.864	.286
.842	-.129	.857	.078	.986	.097	.922	.254	.923	.308			.912	.289
.861	-.075	.976	.146	1.012	-.006	.967	.165	.972	.225			.985	.127
.881	-.074	1.072	.122			1.000	.019						
.900	-.092	1.110	.038										
.938	-.060												
CN =			.3205		.3231		.3510		.3994		.3600		.2750
CH =			.0433		-.0223		-.0499		-.0573		-.0556		-.0402

~~CONFIDENTIAL~~

TABLE II-71 CONFIGURATION 136 M = 0.99 Q = 600 $\alpha = 2.90^\circ$ $C_L = 0.3999$ $\beta = 0^\circ$

STA	.044	STA	.133	STA	.307	STA	.480	STA	.653	STA	.804	STA	.933
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	-.170												
.057	-.083												
.076	-.204												
.080	-.180												
.085	-.262	-.658	-.139	-.021	-.603	.023	-.623	.025	-.581	.022	-.442	.018	-.428
.093	-.226	-.565	-.256	.035	-.747	.068	-.768	.079	-.673	.075	-.653	.077	-.650
.113	-.117	-.452	-.317	.105	-.704	.134	-.764	.133	-.683	.129	-.647	.129	-.655
.115	-.153	-.311	-.394	.178	-.641	.209	-.727	.214	-.689	.201	-.654	.209	-.632
.137	.088	-.023	-.446	.286	-.477	.294	-.665	.295	-.654	.294	-.600	.293	-.589
.138	.113	.133	-.423	.396	-.497	.404	-.644	.407	-.628	.397	-.602	.396	-.578
.163	.064	.272	-.335	.514	-.403	.497	-.532	.502	-.605	.495	-.593	.494	-.538
.162	.076	.416	-.294	.618	-.372	.599	-.373	.601	-.501	.594	-.577	.590	-.472
.209	-.042	.565	-.238	.733	-.367	.700	-.415	.698	-.390	.693	-.358	.693	-.276
.247	-.185	.713	-.189	.835	-.341	.782	-.466	.780	-.410	.784	-.217	.777	.015
.276	-.274	.854	-.200	.919	-.124	.864	-.186	.863	-.149	.856	-.213	.861	-.044
.324	-.345	.980	-.225	.987	-.023	.926	-.040	.923	-.062	.926	-.131	.918	-.064
.361	-.352	1.074	-.195			.975	.017	.977	.022	.977	.008	.972	.053
.396	-.282	1.122	-.102										
.438	-.229												
.487	-.088												
.518	-.055												
.556	-.094	-.658	.072	-.022	.231	.024	.088	.025	.012	.019	.089	.020	.164
.574	-.136	-.613	.048	.038	-.029	.075	-.191	.074	-.170	.066	-.180	.076	-.149
.593	-.059	-.572	.030	.101	-.132	.137	-.261	.130	-.202	.136	-.164	.136	-.182
.632	.039	-.462	-.064	.185	-.211	.213	-.260	.214	-.216	.214	-.133	.221	-.173
.670	.053	-.329	-.107	.289	-.245	.297	-.290	.298	-.153	.489	-.076	.295	-.189
.747	-.028	-.172	-.176	.398	-.285	.400	-.157	.397	-.150	.594	-.040	.396	-.185
.766	-.090	-.030	-.231	.519	-.212	.498	-.142	.501	-.114	.700	.124	.497	-.126
.785	-.243	.128	-.220	.620	-.092	.604	-.116	.603	-.085	.786	.222	.597	-.010
.804	-.267	.418	-.223	.737	.066	.705	.065	.703	.135	.858	.280	.702	.142
.823	-.176	.564	-.210	.831	.160	.785	.188	.784	.266	.919	.305	.786	.223
.842	-.135	.710	-.043	.914	.194	.859	.250	.868	.347	.967	.228	.864	.262
.861	-.083	.857	.109	.986	.105	.922	.269	.923	.351			.912	.269
.881	-.081	.976	.176	1.012	-.016	.967	.171	.972	.220			.985	.172
.900	-.096	1.072	-.148			1.000	.021						
.938	-.050	1.110	.059										
CN =		.3771		.3907		.4405		.4844		.4774		.3886	
CH =		.0477		-.0247		-.0482		-.0657		-.0628		-.0332	

TABLE II-72 CONFIGURATION 136 M = 0.99 Q = 600 $\alpha = 3.17^\circ$ $C_L = 0.4302$ $\beta = 0^\circ$

STA	.044	STA	.133	STA	.307	STA	.480	STA	.653	STA	.804	STA	.933
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.164												
.057	-.087												
.076	-.210												
.080	-.186	-.658	-.154	-.021	-.658	.023	-.644	.025	-.599	.022	-.459	.018	-.448
.085	-.264	-.565	-.281	.035	-.783	.068	-.733	.079	-.720	.075	-.683	.077	-.669
.093	-.229	-.452	-.326	.105	-.742	.134	-.786	.133	-.713	.129	-.676	.129	-.680
.113	-.115	-.311	-.404	.178	-.602	.209	-.766	.214	-.713	.201	-.682	.209	-.657
.115	.141	-.023	-.457	.286	-.484	.294	-.686	.295	-.676	.294	-.634	.293	-.623
.137	.084	.133	-.434	.396	-.514	.404	-.671	.407	-.662	.397	-.639	.396	-.598
.138	.109	.272	-.352	.514	-.426	.497	-.594	.502	-.654	.495	-.613	.494	-.569
.163	.058	.416	-.308	.618	-.379	.599	-.389	.601	-.611	.594	-.637	.590	-.527
.162	.077	.565	-.245	.733	-.381	.700	-.423	.698	-.480	.693	-.623	.693	-.397
.209	-.048	.713	-.198	.835	-.350	.782	-.470	.780	-.423	.784	-.272	.777	-.140
.247	-.184	.854	-.210	.919	-.144	.864	-.216	.863	-.154	.856	-.203	.861	-.004
.276	-.281	.980	-.240	.987	-.043	.926	-.061	.923	-.068	.926	-.107	.918	.003
.324	-.355	1.074	-.209			.975	-.009	.977	.002	.977	-.011	.972	.077
.361	-.358	1.122	-.121										
.396	-.292												
.438	-.239												
.487	-.095												
.518	-.064	-.658	.068	-.022	.246	.024	.109	.025	.025	.019	.102	.020	.192
.556	-.104	-.615	.050	.038	-.020	.075	-.162	.074	-.165	.066	-.168	.076	-.140
.574	-.141	-.572	.033	.101	-.114	.137	-.246	.130	-.202	.136	-.161	.136	-.181
.593	-.074	-.462	-.059	.185	-.205	.213	-.216	.214	-.173	.214	-.122	.221	-.175
.632	.029	-.329	-.105	.289	-.234	.297	-.206	.298	-.152	.489	-.077	.295	-.182
.670	.042	-.172	-.177	.398	-.276	.400	-.192	.397	-.152	.594	-.047	.396	-.189
.747	-.031	-.030	-.223	.519	-.204	.498	-.207	.501	-.119	.700	.118	.497	-.164
.766	-.091	.128	-.211	.620	-.077	.604	-.104	.603	-.092	.786	.218	.597	-.049
.785	-.244	.418	-.219	.737	.059	.705	.068	.703	.123	.858	.275	.702	.119
.804	-.264	.564	-.208	.831	.155	.785	.189	.784	.262	.919	.292	.786	.184
.823	-.167	.710	-.029	.914	.195	.859	.249	.868	.350	.967	.202	.864	.231
.842	-.133	.857	.125	.986	.095	.922	.262	.923	.354			.912	.245
.861	-.083	.976	.181	1.012	-.007	.967	.154	.972	.222			.985	.148
.881	-.081	1.072	.148			1.000	-.000						
.900	-.105	1.110	.050										
.938	-.059												
CN =		.4094		.4191		.4704		.5261		.5263		.4086	
CH =		.0504		-.0235		-.0477		-.0705		-.0702		-.0317	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-73 CONFIGURATION 136 M = 0.99 Q = 600 $\alpha = 3.48^{\circ}$ $C_L = 0.4837$ $\beta = 0^{\circ}$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
UPPER SURFACE													
.019	.158												
.057	-.089												
.076	-.208												
.080	-.181	-.658	-.168	-.021	-.704	.023	-.681	.025	-.660	.022	-.520	.018	-.494
.085	-.269	-.565	-.280	.035	-.801	.068	-.821	.079	-.742	.075	-.716	.077	-.706
.093	-.228	-.452	-.337	.105	-.777	.134	-.812	.133	-.754	.129	-.704	.129	-.720
.113	.110	-.311	-.409	.178	-.710	.209	-.811	.214	-.753	.201	-.712	.209	-.696
.115	.138	-.023	-.465	.286	-.524	.294	-.730	.295	-.717	.294	-.684	.293	-.680
.137	.085	.133	-.440	.396	-.528	.404	-.710	.407	-.715	.397	-.664	.396	-.654
.138	.111	.272	-.359	.514	-.436	.497	-.666	.502	-.705	.495	-.659	.494	-.615
.163	.065	.416	-.314	.618	-.399	.599	-.395	.601	-.677	.596	-.672	.590	-.576
.162	.073	.565	-.264	.733	-.385	.700	-.429	.698	-.620	.693	-.668	.693	-.507
.209	-.045	.713	-.212	.835	-.348	.782	-.477	.780	-.479	.784	-.617	.777	-.244
.247	-.190	.854	-.215	.919	-.136	.864	-.240	.863	-.213	.856	-.276	.861	-.092
.276	-.282	.980	-.250	.987	-.042	.926	-.078	.923	-.111	.926	-.129	.918	-.052
.324	-.352	1.074	-.235			.975	-.008	.977	-.030	.977	-.070	.972	.029
.361	-.358	1.122	-.127										
.396	-.295												
.438	-.244												
.487	-.102												
.518	-.070	-.658	.078	-.022	.263	.024	.177	.025	.095	.019	.131	.020	.214
.556	-.102	-.615	.064	.038	.005	.075	-.056	.074	-.085	.066	-.132	.076	-.304
.574	-.353	-.572	.043	.101	-.105	.137	-.130	.130	-.132	.136	-.123	.136	-.164
.593	-.074	-.462	-.050	.185	-.180	.213	-.154	.214	-.142	.214	-.107	.221	-.155
.632	.032	-.329	-.099	.289	-.206	.297	-.178	.298	-.159	.489	-.074	.295	-.180
.670	.043	-.172	-.173	.398	-.207	.400	-.207	.397	-.147	.594	-.046	.396	-.202
.747	-.036	-.030	-.214	.519	-.126	.498	-.165	.501	-.116	.700	.107	.497	-.219
.766	-.097	.128	-.201	.620	-.077	.604	-.084	.603	-.076	.786	.184	.597	-.096
.785	-.244	.418	-.216	.737	.066	.705	.067	.703	.124	.858	.241	.702	.052
.804	-.272	.564	-.176	.831	.166	.785	.181	.784	.259	.919	.249	.786	.148
.823	-.166	.710	.000	.914	.206	.859	.239	.868	.325	.967	.107	.864	.198
.842	-.131	.857	.141	.986	.095	.922	.250	.923	.325			.912	.209
.861	-.084	.976	.186	1.012	-.034	.967	.349	.972	.216			.985	.065
.881	-.085	1.072	.156			1.000	-.010						
.900	-.105	1.110	.056										
.938	-.051												
CN =			.4469		.4631		.5265		.5959		.5882		.4467
CH =			.0495		-.0234		-.0433		-.0762		-.0790		-.0330

TABLE II-74 CONFIGURATION 136 M = 0.99 Q = 600 $\alpha = 4.10^{\circ}$ $C_L = 0.5607$ $\beta = 0^{\circ}$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
UPPER SURFACE													
.019	.143												
.057	-.097												
.076	-.220												
.080	-.179	-.658	-.190	-.021	-.783	.023	-.730	.025	-.723	.022	-.595	.018	-.574
.085	-.272	-.565	-.306	.035	-.923	.068	-.865	.079	-.815	.075	-.774	.077	-.751
.093	-.231	-.452	-.359	.105	-.852	.134	-.862	.133	-.818	.129	-.765	.129	-.761
.113	.103	-.311	-.431	.178	-.777	.209	-.852	.214	-.802	.201	-.780	.209	-.747
.115	.136	-.023	-.481	.286	-.593	.294	-.807	.295	-.770	.294	-.739	.293	-.730
.137	.084	.133	-.453	.396	-.551	.404	-.779	.407	-.764	.397	-.727	.396	-.718
.138	.106	.272	-.366	.514	-.460	.497	-.748	.502	-.752	.495	-.723	.494	-.681
.163	.055	.416	-.332	.618	-.419	.599	-.537	.601	-.742	.594	-.696	.590	-.638
.162	.071	.565	-.270	.733	-.397	.700	-.452	.698	-.709	.693	-.661	.693	-.606
.209	-.053	.713	-.222	.835	-.331	.782	-.481	.780	-.590	.784	-.562	.777	-.420
.247	-.193	.854	-.233	.919	-.120	.864	-.234	.863	-.414	.856	-.393	.861	-.302
.276	-.283	.980	-.261	.987	-.059	.926	-.081	.923	-.315	.926	-.332	.918	-.197
.324	-.358	1.074	-.240			.975	-.081	.977	-.176	.977	-.258	.972	-.087
.361	-.369	1.122	-.136										
.396	-.301												
.438	-.249												
.487	-.116												
.518	-.078	-.658	.088	-.022	.288	.024	.241	.025	.156	.019	.209	.020	.254
.556	-.112	-.615	.073	.038	.036	.075	-.011	.074	-.031	.066	-.061	.076	-.076
.574	-.163	-.572	.056	.101	-.069	.137	-.072	.130	-.084	.136	-.087	.136	-.135
.593	-.074	-.462	-.034	.185	-.143	.213	-.110	.214	-.121	.214	-.083	.221	-.149
.632	.027	-.329	-.080	.289	-.078	.297	-.129	.298	-.129	.489	-.088	.295	-.172
.670	.037	-.172	-.158	.398	-.120	.400	-.148	.397	-.106	.594	-.071	.396	-.202
.747	-.048	-.030	-.204	.519	-.115	.498	-.137	.501	-.101	.700	.085	.497	-.226
.766	-.103	.128	-.182	.620	-.062	.604	-.084	.603	-.064	.786	.171	.597	-.144
.785	-.253	.418	-.196	.737	.078	.705	.068	.703	.117	.858	.226	.702	.014
.804	-.277	.564	-.112	.831	.179	.785	.187	.784	.257	.919	.232	.786	.101
.823	-.193	.710	.040	.914	.218	.859	.242	.868	.321	.967	.084	.864	.154
.842	-.127	.857	.159	.986	.094	.922	.255	.923	.317			.912	.162
.861	-.084	.976	.208	1.012	-.046	.967	.144	.972	.150			.985	-.032
.881	-.085	1.072	.166			1.000	-.007						
.900	-.108	1.110	.061										
.938	-.045												
CN =			.5132		.5394		.6055		.6987		.6518		.5199
CH =			.0571		-.0170		-.0446		-.0953		-.0841		-.0458

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-75 CONFIGURATION 136 $M = 0.99$ $Q = 600$ $\alpha = 4.66^\circ$ $C_L = 0.6245$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/P	.804 CP	STA X/C	.933 CP
UPPER SURFACE													
.019	.137												
.057	-.101												
.076	-.225												
.080	-.180	-.658	-.203	-.021	-.826	.023	-.797	.025	-.773	.022	-.675	.018	-.620
.085	-.275	-.565	-.321	.035	-.960	.068	-.924	.079	-.858	.075	-.818	.077	-.792
.093	-.235	-.452	-.378	.105	-.935	.134	-.925	.133	-.870	.129	-.811	.129	-.811
.113	.106	-.311	-.453	.178	-.882	.209	-.898	.214	-.852	.201	-.819	.209	-.799
.115	.131	-.023	-.498	.286	-.648	.294	-.849	.295	-.817	.294	-.785	.293	-.775
.137	.074	.133	-.466	.396	-.558	.404	-.833	.407	-.816	.397	-.780	.396	-.758
.138	.097	.272	-.377	.514	-.472	.497	-.804	.502	-.813	.495	-.769	.494	-.718
.163	.049	.416	-.340	.618	-.438	.599	-.707	.601	-.769	.594	-.714	.590	-.679
.162	.063	.565	-.282	.733	-.415	.700	-.482	.698	-.739	.693	-.693	.693	-.656
.209	-.061	.713	-.233	.835	-.297	.782	-.407	.780	-.569	.784	-.562	.777	-.512
.247	-.196	.854	-.239	.919	-.104	.864	-.196	.863	-.477	.856	-.426	.861	-.413
.276	-.292	.980	-.266	.987	-.059	.926	-.097	.923	-.409	.926	-.392	.918	-.319
.324	-.364	1.074	-.246			.975	-.045	.977	-.253	.977	-.318	.972	-.184
.361	-.375	1.122	-.138										
.396	-.313												
.438	-.262												
.487	-.123												
LOWER SURFACE													
.518	-.075	-.658	.096	-.022	.319	.024	.305	.025	.219	.019	.263	.020	.275
.556	-.116	-.615	.080	.038	.114	.075	.061	.074	.012	.066	-.008	.076	-.044
.574	-.164	-.572	.068	.101	.021	.137	-.024	.130	-.043	.136	-.040	.136	-.109
.593	-.081	-.462	-.018	.185	-.026	.213	-.074	.214	-.084	.214	-.062	.221	-.146
.632	.027	-.329	-.065	.289	-.050	.297	-.084	.298	-.097	.489	-.111	.295	-.174
.670	.020	-.172	-.148	.398	-.087	.400	-.127	.397	-.099	.594	-.101	.396	-.220
.747	-.060	-.030	-.184	.519	-.086	.498	-.110	.501	-.090	.700	.043	.497	-.240
.766	-.106	.128	-.155	.620	-.044	.604	-.075	.603	-.064	.786	.140	.597	-.162
.785	-.253	.418	-.134	.737	.088	.705	.066	.703	.098	.858	.208	.702	-.009
.804	-.279	.564	-.049	.831	.197	.785	.186	.784	.226	.919	.214	.786	.079
.823	-.199	.710	.064	.914	.227	.859	.249	.868	.288	.967	.067	.864	.126
.842	-.131	.857	.186	.986	.102	.922	.255	.923	.278			.912	.126
.861	-.091	.976	.223	1.012	-.049	.967	.138	.972	.095			.985	-.107
.881	-.094	1.072	.176			1.000	-.029						
.900	-.113	1.110	.068										
.938	-.028												
CN =			.5854		.6060		.6711		.7487		.6876		.5682
CH =			.0644		-.0088		-.0414		-.0935		-.0798		-.0526

TABLE II-76 CONFIGURATION 136 $M = 0.99$ $Q = 600$ $\alpha = 5.84^\circ$ $C_L = 0.7218$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
UPPER SURFACE													
.019	.121												
.057	-.111												
.076	-.237												
.080	-.183	-.658	-.260	-.021	-.933	.023	-.899	.025	-.877	.022	-.788	.018	-.732
.085	-.282	-.565	-.356	.035	-.1073	.068	-.1005	.079	-.944	.075	-.905	.077	-.879
.093	-.234	-.452	-.414	.105	-.1045	.134	-.992	.133	-.960	.129	-.910	.129	-.902
.113	.103	-.311	-.481	.178	-.990	.209	-.969	.214	-.934	.201	-.899	.209	-.875
.115	.131	-.023	-.515	.286	-.911	.294	-.928	.295	-.897	.294	-.868	.293	-.847
.137	.067	.133	-.484	.396	-.563	.404	-.907	.407	-.863	.397	-.854	.396	-.813
.138	.095	.272	-.400	.514	-.502	.497	-.889	.502	-.825	.495	-.845	.494	-.776
.163	.043	.416	-.358	.618	-.456	.599	-.833	.601	-.699	.594	-.769	.590	-.754
.162	.056	.565	-.281	.733	-.424	.700	-.560	.698	-.505	.693	-.722	.693	-.575
.209	-.065	.713	-.244	.835	-.287	.782	-.412	.780	-.409	.784	-.646	.777	-.467
.247	-.232	.854	-.257	.919	-.116	.864	-.269	.863	-.376	.856	-.669	.861	-.377
.276	-.304	.980	-.283	.987	-.066	.926	-.209	.923	-.359	.926	-.547	.918	-.306
.324	-.377	1.074	-.286			.975	-.184	.977	-.329	.977	-.466	.972	-.265
.361	-.381	1.122	-.164										
.396	-.322												
.438	-.277												
.487	-.119												
LOWER SURFACE													
.518	-.070	-.658	.104	-.022	.390	.024	.383	.025	.302	.019	.329	.020	.341
.556	-.119	-.615	.105	.038	.198	.075	.119	.074	.108	.066	.054	.076	.027
.574	-.179	-.572	.090	.101	.110	.137	.048	.130	.022	.136	-.006	.136	-.072
.593	-.090	-.462	.010	.185	.048	.213	-.002	.214	-.027	.214	-.031	.221	-.118
.632	.014	-.329	-.034	.289	.008	.297	-.027	.298	-.049	.489	-.110	.295	-.156
.670	.003	-.172	-.127	.398	-.082	.400	-.075	.397	-.074	.594	-.119	.396	-.210
.747	-.076	-.030	-.151	.519	-.039	.498	-.078	.501	-.081	.700	.025	.497	-.254
.766	-.133	.128	-.101	.620	-.010	.604	-.058	.603	-.078	.786	.118	.597	-.203
.785	-.276	.418	-.050	.737	.109	.705	.073	.703	.077	.858	.184	.702	-.049
.804	-.281	.564	.005	.831	.212	.785	.180	.784	.199	.919	.786	.786	.042
.823	-.198	.710	.100	.914	.243	.859	.238	.868	.257	.967	.032	.864	.085
.842	-.133	.857	.215	.986	.105	.922	.236	.923	.245			.912	.088
.861	-.098	.976	.239	1.012	-.035	.967	.088	.972	.055			.985	-.185
.881	-.105	1.072	.183			1.000	-.160						
.900	-.114	1.110	.070										
.938	-.013												
CN =			.6932		.7205		.7829		.7530		.7872		.5992
CH =			.0812		.0005		-.0484		-.0610		-.0916		-.0345

~~CONFIDENTIAL~~

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

TABLE II-77 CONFIGURATION 136 M = 0.99 Q = 600 $\alpha = 6.44^\circ$ $C_L = 0.7612$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
UPPER SURFACE													
.019	.118												
.057	-.118												
.076	-.235												
.080	-.181	-.658	-.282	-.021	-.976	.023	-.950	.025	-.933	.022	-.853	.018	-.788
.085	-.286	-.565	-.378	.035	-1.110	.068	-1.047	.079	-.994	.075	-.959	.077	-.927
.093	-.240	-.452	-.421	.105	-1.090	.134	-1.028	.133	-.998	.129	-.922	.129	-.921
.113	.098	-.311	-.491	.178	-1.041	.209	-1.014	.214	-.954	.201	-.894	.209	-.885
.115	.114	-.023	-.533	.286	-1.010	.294	-.965	.295	-.912	.294	-.864	.293	-.862
.137	.071	.133	-.501	.396	-.700	.404	-.944	.407	-.894	.397	-.759	.396	-.806
.138	.096	.272	-.401	.514	-.506	.497	-.947	.502	-.812	.495	-.577	.494	-.707
.163	.039	.416	-.353	.618	-.463	.599	-.809	.601	-.578	.594	-.471	.590	-.530
.162	.053	.565	-.293	.733	-.427	.700	-.568	.698	-.465	.693	-.427	.693	-.414
.209	-.073	.713	-.247	.835	-.295	.782	-.456	.780	-.412	.784	-.401	.777	-.351
.247	-.218	.854	-.264	.919	-.123	.864	-.357	.863	-.374	.856	-.381	.861	-.308
.276	-.306	.980	-.292	.987	-.075	.926	-.304	.923	-.378	.926	-.374	.918	-.287
.324	-.379	1.074	-.302			.975	-.288	.977	-.366	.977	-.351	.972	-.266
.361	-.389	1.122	-.167										
.396	-.329												
.438	-.277												
.487	-.112												
.518	-.074	-.658	.103	-.022	.417	.024	.424	.025	.348	.019	.359	.020	.352
.556	-.126	-.615	.113	.038	.235	.075	.197	.074	.149	.066	.092	.076	.044
.574	-.194	-.572	.095	.101	.149	.137	.098	.130	.064	.136	.016	.136	-.053
.593	-.113	-.462	.017	.185	.085	.213	.036	.214	.005	.214	-.025	.221	-.098
.632	-.005	-.329	-.025	.289	.047	.297	-.001	.298	-.030	.489	-.118	.295	-.145
.670	-.009	-.172	-.106	.398	-.004	.400	-.045	.397	-.062	.594	-.127	.396	-.203
.747	-.082	-.030	-.132	.519	-.020	.498	-.055	.501	-.080	.700	.012	.497	-.258
.766	-.135	.128	-.055	.620	.006	.604	-.046	.633	-.100	.786	.109	.597	-.219
.785	-.279	.418	-.019	.737	.122	.705	.069	.703	.042	.858	.178	.702	-.063
.804	-.292	.564	.027	.831	.220	.785	.177	.784	.166	.919	.189	.786	.027
.823	-.211	.710	.118	.914	.247	.859	.236	.868	.245	.967	.023	.864	.072
.842	-.137	.857	.230	.986	.105	.922	.230	.923	.226			.912	.076
.861	-.102	.976	.251	1.012	-.040	.967	.074	.972	.035			.985	-.220
.881	-.104	1.072	.100			1.000	-.185						
.900	-.120	1.110	.079										
.938	-.002												
CN =			.7472		.7862		.8445		.7559		.6433		.5459
CM =			.0890		.0027		-.0545		-.0492		-.0365		-.0092

TABLE II-78 CONFIGURATION 136 M = 0.99 Q = 600 $\alpha = 7.02^\circ$ $C_L = 0.8029$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
UPPER SURFACE													
.019	.112												
.057	-.125												
.076	-.234												
.080	-.177	-.658	-.295	-.021	-1.011	.023	-.983	.025	-.968	.022	-.895	.018	-.824
.085	-.289	-.565	-.408	.035	-1.147	.068	-1.069	.079	-1.028	.075	-.922	.077	-.908
.093	-.240	-.452	-.446	.105	-1.124	.134	-1.055	.133	-1.015	.129	-.914	.129	-.906
.113	.096	-.311	-.500	.178	-1.074	.209	-1.023	.214	-.967	.201	-.891	.209	-.879
.115	.106	-.023	-.534	.286	-1.051	.294	-.976	.295	-.950	.294	-.790	.293	-.825
.137	.064	.133	-.499	.396	-.838	.404	-.970	.407	-.858	.397	-.645	.396	-.737
.138	.093	.272	-.408	.514	-.600	.497	-.957	.502	-.673	.495	-.553	.494	-.585
.163	.045	.416	-.354	.618	-.467	.599	-.727	.601	-.545	.594	-.494	.590	-.490
.162	.054	.565	-.289	.733	-.422	.700	-.573	.698	-.478	.693	-.447	.693	-.427
.209	-.079	.713	-.254	.835	-.290	.782	-.475	.780	-.441	.784	-.432	.777	-.392
.247	-.220	.854	-.263	.919	-.143	.864	-.404	.863	-.412	.856	-.413	.861	-.349
.276	-.307	.980	-.299	.987	-.088	.926	-.355	.923	-.407	.926	-.392	.918	-.333
.324	-.385	1.074	-.318			.975	-.345	.977	-.391	.977	-.392	.972	-.311
.361	-.391	1.122	-.181										
.396	-.332												
.438	-.269												
.487	-.110												
.518	-.078	-.658	.110	-.022	.435	.024	.450	.025	.377	.019	.390	.020	.384
.556	-.131	-.615	.123	.038	.273	.075	.230	.074	.185	.066	.125	.076	.070
.574	-.194	-.572	.107	.101	.183	.137	.127	.130	.095	.136	.053	.136	-.025
.593	-.122	-.462	.040	.185	.122	.213	.067	.214	.025	.214	-.004	.221	-.086
.632	-.006	-.329	-.007	.289	.068	.297	.027	.298	-.011	.489	-.113	.295	-.131
.670	-.017	-.172	-.094	.398	.080	.400	-.024	.397	-.054	.594	-.132	.396	-.191
.747	-.084	-.030	-.093	.519	.008	.498	-.039	.501	-.076	.700	.012	.497	-.250
.766	-.128	.128	-.027	.620	.022	.604	-.036	.603	-.098	.786	.106	.597	-.219
.785	-.279	.418	.011	.737	.133	.705	.068	.703	.031	.858	.177	.702	-.065
.804	-.304	.564	.048	.831	.226	.785	.175	.784	.161	.919	.192	.786	.020
.823	-.219	.710	.137	.914	.251	.859	.230	.868	.237	.967	.019	.864	.069
.842	-.138	.857	.240	.986	.107	.922	.222	.923	.228			.912	.067
.861	-.098	.976	.261	1.012	-.058	.967	.052	.972	.025			.985	-.247
.881	-.112	1.072	.201			1.000	-.230						
.900	-.125	1.110	.085										
.938	-.004												
CN =			.7964		.8503		.8701		.7621		.6435		.5380
CM =			.1005		.0022		-.0548		-.0462		-.0392		-.0098

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-79 CONFIGURATION 136 M = 0.99 Q = 600 $\alpha = 9.29^\circ$ $C_L = 0.9134$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
UPPER SURFACE													
.019	.094												
.057	-.143												
.076	-.240												
.080	-.193	-.658	-.404	-.021	-1.148	.023	-1.116	.025	-.903	.022	-.532	.018	-.437
.085	-.297	-.565	-.501	.035	-1.198	.068	-1.135	.079	-.857	.075	-.542	.077	-.441
.093	-.247	-.452	-.518	.105	-1.183	.134	-1.122	.133	-.849	.129	-.532	.129	-.444
.113	.088	-.311	-.570	.178	-1.177	.209	-1.113	.214	-.768	.201	-.552	.209	-.429
.115	.101	-.023	-.564	.286	-1.067	.294	-1.073	.295	-.745	.294	-.515	.293	-.417
.137	.060	.133	-.506	.396	-1.022	.404	-.922	.407	-.734	.397	-.529	.396	-.404
.138	.079	.272	-.424	.514	-.966	.497	-.810	.502	-.664	.495	-.490	.494	-.391
.163	.036	.416	-.377	.618	-.931	.599	-.693	.601	-.629	.594	-.471	.590	-.381
.162	.039	.565	-.341	.733	-.888	.700	-.680	.698	-.616	.693	-.493	.693	-.376
.209	-.090	.713	-.303	.835	-.558	.782	-.602	.780	-.598	.784	-.486	.777	-.373
.247	-.237	.854	-.310	.919	-.305	.864	-.580	.863	-.581	.856	-.470	.861	-.368
.276	-.325	.980	-.329	.987	-.114	.926	-.524	.923	-.572	.926	-.470	.918	-.365
.324	-.399	1.074	-.349			.975	-.539	.977	-.547	.977	-.449	.972	-.355
.361	-.402	1.122	-.210										
.396	-.326												
.438	-.251												
.487	-.106												
LOWER SURFACE													
.518	-.093	-.658	.118	-.022	.475	.024	.526	.025	.491	.019	.493	.020	.464
.556	-.160	-.615	.151	.038	.385	.075	.349	.074	.301	.066	.253	.076	.181
.574	-.224	-.572	.158	.101	.293	.137	.243	.130	.200	.136	.151	.136	.063
.593	-.219	-.462	.097	.185	.224	.213	.170	.214	.126	.214	.082	.221	-.017
.632	-.056	-.329	.064	.289	.169	.297	.116	.298	.075	.489	-.065	.295	-.067
.670	-.029	-.172	-.008	.398	.109	.400	.061	.397	.014	.594	-.104	.396	-.147
.747	-.083	-.030	.018	.519	.084	.498	.027	.501	-.026	.700	.013	.497	-.208
.766	-.121	.128	.057	.620	.080	.604	-.001	.603	-.079	.786	.109	.597	-.192
.785	-.261	.418	.083	.737	.169	.705	.073	.703	.042	.858	.178	.702	-.057
.804	-.284	.564	.111	.831	.261	.785	.169	.784	.160	.919	.192	.786	.025
.823	-.244	.710	.195	.914	.282	.859	.221	.868	.228	.967	.009	.864	.082
.842	-.197	.857	.293	.986	.142	.922	.203	.923	.220			.912	.080
.861	-.150	.976	.303	1.012	.002	.967	.007	.972	.008			.985	-.267
.881	-.142	1.072	.224			1.000	-.512						
.900	-.159	1.110	.093										
.938	-.037												
CN =			.9957		1.1586		.9801		.7998		.5728		.3651
CM =			.1444		-.0590		-.0654		-.0771		-.0641		-.0280

TABLE II-80 CONFIGURATION 136 M = 0.99 Q = 600 $\alpha = 11.51^\circ$ $C_L = 1.0592$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
UPPER SURFACE													
.019	.060												
.057	-.159												
.076	-.251												
.080	-.198	-.658	-.538	-.021	-1.234	.023	-1.113	.025	-.597	.022	-.493	.018	-.458
.085	-.305	-.565	-.655	.035	-1.200	.068	-1.089	.079	-.620	.075	-.502	.077	-.465
.093	-.252	-.452	-.613	.105	-1.192	.134	-1.095	.133	-.581	.129	-.516	.129	-.457
.113	.086	-.311	-.638	.178	-1.191	.209	-1.075	.214	-.550	.201	-.513	.209	-.455
.115	.097	-.023	-.594	.296	-1.141	.294	-1.014	.295	-.547	.294	-.511	.293	-.448
.137	.051	.133	-.515	.396	-1.138	.404	-.932	.407	-.542	.397	-.509	.396	-.442
.138	.062	.272	-.426	.514	-1.152	.497	-.855	.502	-.549	.495	-.503	.494	-.446
.163	.033	.416	-.403	.618	-1.154	.599	-.816	.601	-.550	.594	-.503	.590	-.442
.162	.025	.565	-.385	.733	-1.191	.700	-.790	.698	-.563	.693	-.495	.693	-.452
.209	-.106	.713	-.364	.834	-1.129	.782	-.779	.780	-.570	.784	-.497	.777	-.440
.247	-.244	.854	-.365	.919	-.805	.864	-.758	.863	-.579	.856	-.495	.861	-.438
.276	-.333	.980	-.371	.987	-.271	.926	-.714	.923	-.574	.926	-.491	.918	-.435
.324	-.405	1.074	-.421			.975	-.662	.977	-.559	.977	-.484	.972	-.427
.361	-.403	1.122	-.305										
.396	-.314												
.438	-.239												
.487	-.120												
LOWER SURFACE													
.518	-.129	-.658	.132	-.022	.484	.024	.589	.025	.561	.019	.549	.020	.517
.556	-.218	-.615	.181	.038	.457	.075	.436	.074	.395	.066	.335	.076	.266
.574	-.285	-.572	.204	.101	.374	.137	.329	.130	.295	.136	.228	.136	.147
.593	-.338	-.462	.160	.185	.301	.213	.254	.214	.206	.214	.155	.221	.055
.632	-.097	-.329	.133	.289	.245	.297	.190	.298	.144	.489	-.017	.295	-.005
.670	-.013	-.172	.078	.398	.187	.400	.120	.397	.076	.594	-.062	.396	-.082
.747	-.075	-.030	.094	.519	.141	.498	.079	.501	.017	.700	.036	.497	-.156
.766	-.136	.128	.143	.620	.127	.604	.034	.603	-.035	.786	.124	.597	-.156
.785	-.272	.418	.152	.737	.202	.705	.087	.703	.060	.858	.198	.702	-.047
.804	-.295	.564	.176	.831	.281	.785	.179	.784	.171	.919	.205	.786	.032
.823	-.268	.710	.248	.914	.295	.859	.231	.868	.240	.967	.015	.864	.083
.842	-.234	.857	.340	.986	.120	.922	.211	.923	.227			.912	.074
.861	-.188	.976	.341	1.012	-.071	.967	.012	.972	.016			.985	-.293
.881	-.187	1.072	.250			1.000	-.604						
.900	-.205	1.110	.109										
.938	-.112												
CN =			1.2060		1.4066		1.0849		.7182		.6171		.4538
CM =			.1904		-.1287		-.0961		-.0848		-.0700		-.0380

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-81 CONFIGURATION 136 M = 0.99 Q = 600 $\alpha = 13.66^\circ$ $C_L = 1.2101$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
UPPER SURFACE													
.019	.035					.023	-.1.083	.025	-.463	.022	-.515	.018	-.456
.057	-.163					.068	-.1.087	.079	-.469	.075	-.526	.077	-.469
.076	-.254					.134	-.1.088	.133	-.453	.129	-.523	.129	-.459
.080	-.202	-.658	-.663	-.021	-.1.174	.209	-.1.029	.214	-.459	.201	-.510	.209	-.459
.085	-.312	-.565	-.851	.035	-.1.167	.294	-.955	.295	-.488	.294	-.510	.293	-.456
.093	-.259	-.452	-.717	.105	-.1.159	.404	-.871	.407	-.511	.397	-.502	.396	-.454
.118	.080	-.311	.684	.178	-.1.157	.497	-.845	.502	-.518	.495	-.510	.494	-.455
.115	.079	-.023	-.599	.286	-.1.155	.599	-.810	.601	-.523	.594	-.500	.590	-.458
.137	.059	.133	-.488	.396	-.1.165	.700	-.809	.698	-.546	.693	-.511	.693	-.450
.138	.044	.272	-.399	.514	-.1.180	.782	-.787	.780	-.552	.784	-.509	.777	-.449
.163	.040	.416	-.365	.618	-.1.219	.864	-.754	.863	-.563	.856	-.508	.861	-.448
.162	.010	.565	-.357	.733	-.1.300	.926	-.707	.923	-.565	.926	-.499	.918	-.448
.209	-.117	.713	-.380	.835	-.1.269	.975	-.674	.977	-.557	.977	-.492	.972	-.439
.247	-.254	.854	-.434	.919	-.1.063								
.276	-.340	.980	-.451	.987	-.855								
.324	-.416	1.074	-.485										
.361	-.412	1.122	-.508										
.396	-.312												
.438	-.240												
.487	-.156												
.518	-.176	-.658	.146	-.022	.470	.024	.618	.025	.600	.019	.574	.020	.546
.556	-.268	-.615	.213	.038	.513	.075	.504	.074	.453	.066	.403	.076	.342
.574	-.337	-.572	.247	.101	.450	.137	.400	.130	.353	.136	.297	.136	.215
.593	-.432	-.462	.230	.185	.381	.213	.313	.214	.267	.214	.221	.221	.121
.632	-.074	-.329	.208	.289	.318	.297	.252	.298	.198	.489	.035	.295	.053
.670	.016	-.172	.166	.398	.248	.400	.172	.397	.129	.594	-.022	.396	-.027
.747	-.103	-.030	.167	.519	.191	.498	.121	.501	.062	.700	.061	.497	-.106
.766	-.167	.128	.209	.620	.180	.604	.066	.603	.003	.786	.137	.597	-.123
.785	-.306	.418	.209	.737	.230	.705	.106	.703	.083	.858	.213	.702	-.040
.804	-.340	.564	.232	.831	.298	.785	.185	.784	.186	.919	.216	.786	.023
.823	-.307	.710	.296	.914	.300	.859	.239	.868	.255	.967	.024	.864	.068
.842	-.297	.857	.384	.986	.068	.922	.220	.923	.238			.912	.058
.861	-.238	.976	.378	1.012	-.521	.967	.017	.972	.018			.985	-.339
.881	-.222	1.072	.276			1.000	-.641						
.900	-.243	1.110	.125										
.938	-.194												
CN =		1.3767			1.5337		1.1046		.7058		.6650		.4924
CH =		.2339			-.1768		-.0974		-.0899		-.0719		-.0355

TABLE II-82 CONFIGURATION 136 M = 0.98 Q = 923 $\alpha = 2.80^\circ$ $C_L = 0.3771$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
UPPER SURFACE													
.019	.157					.023	-.634	.025	-.630	.022	-.445	.018	-.431
.057	-.085					.068	-.797	.079	-.714	.075	-.670	.077	-.668
.076	-.203					.134	-.776	.133	-.714	.129	-.665	.129	-.675
.080	-.168	-.658	-.154	-.021	-.621	.209	-.705	.214	-.702	.201	-.659	.209	-.639
.085	-.258	-.565	-.277	.035	-.758	.294	-.666	.295	-.664	.294	-.604	.293	-.466
.093	-.222	-.452	-.331	.105	-.699	.404	-.567	.407	-.642	.397	-.614	.396	-.100
.113	.109	-.311	-.407	.178	-.649	.497	-.382	.502	-.536	.495	-.240	.494	-.112
.115	.144	-.028	-.459	.286	-.463	.599	-.343	.601	-.285	.594	-.187	.590	-.131
.137	.070	.133	-.433	.396	-.489	.700	-.321	.698	-.207	.693	-.266	.693	-.253
.138	.100	.272	-.345	.514	-.381	.782	-.242	.780	-.286	.784	-.321	.777	-.268
.163	.051	.416	-.299	.618	-.336	.864	-.160	.863	-.282	.856	-.283	.861	-.209
.162	.068	.565	-.235	.733	-.334	.926	-.070	.923	-.123	.926	-.144	.918	-.131
.209	-.044	.713	-.174	.835	-.234	.975	.020	.977	.007	.977	-.004	.972	.043
.247	-.184	.854	-.188	.919	-.051								
.276	-.284	.980	-.202	.987	.020								
.324	-.357	1.074	-.128										
.361	-.360	1.122	-.036										
.396	-.290												
.438	-.234												
.487	-.073												
.518	-.040	-.658	.060	-.022	.234	.024	.152	.025	.027	.019	.088	.020	.164
.556	-.067	-.615	.047	.038	-.025	.075	-.111	.074	-.156	.066	-.164	.076	-.170
.574	-.039	-.572	.022	.101	-.127	.137	-.184	.130	-.184	.136	-.165	.136	-.209
.593	.031	-.462	.068	.185	-.215	.213	-.166	.214	-.173	.214	-.139	.221	-.198
.632	.056	-.329	-.119	.289	-.215	.297	-.160	.298	-.186	.489	-.096	.295	-.210
.670	.043	-.172	-.188	.398	-.148	.400	-.205	.397	-.146	.594	-.059	.396	-.196
.747	-.043	-.080	-.233	.519	-.142	.498	-.146	.501	-.096	.700	.103	.497	-.107
.766	-.101	.128	-.223	.620	-.066	.504	-.076	.603	-.074	.786	.197	.597	-.004
.785	-.257	.418	-.225	.737	.086	.705	-.075	.703	.105	.858	.250	.702	.138
.804	-.287	.564	-.168	.831	.185	.785	.185	.784	.232	.919	.273	.786	.221
.823	-.173	.710	.028	.914	.230	.859	.234	.868	.293	.967	.190	.864	.258
.842	-.159	.857	.154	.985	.137	.922	.255	.923	.296			.912	.258
.861	-.080	.976	.213	1.012	.017	.967	.171	.972	.198			.985	.114
.881	-.081	1.072	.182			1.000	.047						
.900	-.098	1.110	.090										
.938	.003												
CN =		.4012			.4005		.4258		.4474		.3982		.2836
CH =		.0470			-.0188		-.0304		-.0476		-.0457		-.0334

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-83

CONFIGURATION 136

M = 0.98

Q = 923

$\alpha = 3.11^\circ$

$C_L = 0.4213$

$\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
.019	.152												
.057	-.086												
.076	-.206												
.080	-.176	-.658	-.171	-.021	-.680	.023	-.660	.025	-.670	.022	-.486	.018	-.473
.085	-.262	-.565	-.274	.035	-.774	.068	-.817	.079	-.735	.075	-.699	.077	-.679
.093	-.228	-.452	-.331	.105	-.742	.134	-.816	.133	-.740	.129	-.691	.129	-.693
.113	.106	-.311	-.415	.178	-.676	.209	-.774	.214	-.743	.201	-.686	.209	-.679
.115	.136	-.023	-.465	.286	-.488	.294	-.709	.295	-.700	.294	-.649	.293	-.630
.137	.068	.133	-.448	.396	-.512	.404	-.671	.407	-.687	.397	-.637	.396	-.630
.138	.095	.272	-.353	.514	-.404	.497	-.422	.502	-.649	.495	-.617	.494	-.611
.163	.054	.416	-.309	.618	-.358	.599	-.366	.601	-.367	.594	-.474	.590	-.180
.162	.071	.565	-.241	.733	-.356	.700	-.406	.698	-.288	.693	-.240	.693	-.000
.209	-.048	.713	-.181	.835	-.276	.782	-.342	.780	-.251	.784	-.283	.777	-.093
.247	-.196	.854	-.183	.919	-.071	.864	-.164	.863	-.244	.856	-.248	.861	-.132
.276	-.285	.980	-.216	.987	-.007	.926	-.066	.923	-.115	.926	-.108	.918	-.132
.324	-.358	1.074	-.165			.975	.014	.977	.002	.977	.018	.972	.034
.361	-.362	1.122	-.062										
.396	-.299												
.438	-.244												
.487	-.087												
.518	-.053	-.658	.065	-.022	.250	.024	.185	.025	.063	.019	.108	.020	.179
.556	-.081	-.615	.048	.038	-.015	.075	-.082	.074	-.124	.066	-.152	.076	-.163
.574	-.083	-.572	.029	.101	-.129	.137	-.148	.130	-.159	.136	-.155	.136	-.188
.593	.009	-.462	-.062	.185	-.188	.213	-.140	.214	-.166	.214	-.125	.221	-.192
.632	.047	-.329	-.105	.289	-.070	.297	-.164	.298	-.157	.489	-.097	.295	-.202
.670	.037	-.172	-.186	.398	-.139	.400	-.195	.397	-.143	.594	-.055	.396	-.188
.747	-.045	-.030	-.232	.519	-.136	.498	-.140	.501	-.094	.700	.108	.497	-.128
.766	-.103	.128	-.219	.620	-.065	.604	-.084	.603	-.072	.786	.200	.597	-.025
.785	-.261	.418	-.215	.737	.082	.705	.071	.703	.103	.858	.255	.702	.135
.804	-.280	.564	-.130	.831	.186	.785	.187	.784	.227	.919	.274	.786	.219
.823	-.162	.710	.037	.914	.222	.859	.239	.868	.285	.967	.201	.864	.254
.842	-.160	.857	.162	.986	.124	.922	.254	.923	.293			.912	.266
.861	-.089	.976	.213	1.012	.002	.967	.166	.972	.191			.985	.139
.881	-.084	1.072	.179			1.000	.034						
.900	-.104	1.110	.086										
.938	-.009												
CM =			-.4303		.4484		.4754		.4915		.4735		.3717
CM =			.0467		-.0193		-.0322		-.0469		-.0507		-.0241

TABLE II-84

CONFIGURATION 136

M = 0.98

Q = 923

$\alpha = 3.44^\circ$

$C_L = 0.4660$

$\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.337 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
.019	.153												
.057	-.089												
.076	-.212												
.080	-.175	-.650	-.160	-.021	-.729	.023	-.717	.025	-.670	.022	-.526	.018	-.498
.085	-.262	-.565	-.287	.035	-.825	.068	-.840	.079	-.766	.075	-.735	.077	-.721
.093	-.232	-.452	-.346	.105	-.753	.134	-.830	.133	-.779	.129	-.726	.129	-.716
.113	.112	-.311	-.417	.178	-.706	.209	-.806	.214	-.764	.201	-.733	.209	-.710
.115	.136	-.023	-.471	.286	-.509	.294	-.765	.295	-.726	.294	-.680	.293	-.667
.137	.066	.133	-.440	.396	-.520	.404	-.716	.407	-.719	.397	-.681	.396	-.655
.138	.098	.272	-.358	.514	-.419	.497	-.473	.502	-.688	.495	-.654	.494	-.647
.163	.047	.416	-.314	.618	-.364	.599	-.386	.601	-.507	.594	-.633	.590	-.592
.162	.060	.565	-.243	.733	-.363	.700	-.411	.698	-.276	.693	-.392	.693	-.057
.209	-.055	.713	-.192	.835	-.271	.782	-.325	.780	-.256	.784	-.262	.777	-.002
.247	-.201	.854	-.193	.919	-.073	.864	-.172	.863	-.187	.856	-.197	.861	-.069
.276	-.293	.980	-.220	.987	-.010	.926	-.077	.923	-.113	.926	-.072	.918	-.070
.324	-.363	1.074	-.174			.975	.004	.977	-.012	.977	-.002	.972	.055
.361	-.371	1.122	-.075										
.396	-.298												
.438	-.246												
.487	-.088												
.518	-.050	-.658	.078	-.022	.266	.024	.198	.025	.085	.019	.140	.020	.188
.556	-.081	-.615	.059	.038	.016	.075	-.052	.074	-.082	.066	-.128	.076	-.129
.574	-.083	-.572	.038	.101	-.082	.137	-.106	.130	-.136	.136	-.142	.136	-.186
.593	.008	-.462	-.052	.185	-.074	.213	-.135	.214	-.150	.214	-.122	.221	-.190
.632	.038	-.329	-.102	.289	-.108	.297	-.141	.298	-.151	.489	-.094	.295	-.193
.670	.032	-.172	-.179	.398	-.134	.400	-.153	.397	-.139	.594	-.059	.396	-.181
.747	-.043	-.030	-.221	.519	-.117	.498	-.136	.501	-.093	.700	-.099	.497	-.133
.766	-.102	.128	-.208	.620	-.057	.604	-.078	.603	-.077	.786	.200	.597	-.036
.785	-.262	.418	-.214	.737	.088	.705	.069	.703	.103	.858	.256	.702	.122
.804	-.280	.564	-.076	.831	.189	.785	.184	.784	.225	.919	.275	.786	.205
.823	-.159	.710	.043	.914	.229	.859	.237	.868	.280	.967	.199	.864	.242
.842	-.163	.857	.172	.986	.121	.922	.248	.923	.292			.912	.258
.861	-.088	.976	.213	1.012	-.003	.967	.155	.972	.175			.985	.155
.881	-.086	1.072	.179			1.000	.016						
.900	-.105	1.110	.085										
.938	-.006												
CN =			.4586		.4814		.5122		.5220		.5213		.4181
CM =			.0488		-.0153		-.0302		-.0454		-.0530		-.0241

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

TABLE II-85 CONFIGURATION 136 M = 0.98 Q = 923 $\alpha = 3.78^\circ$ $C_L = 0.5052$ $\beta = 0^\circ$													
STA	.044	STA	.133	STA	.307	STA	.480	STA	.653	STA	.804	STA	.933
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.144												
.057	-.097												
.076	-.215												
.080	-.177	-.658	-.186	-.021	-.764	.023	-.725	.025	-.707	.022	-.560	.018	-.541
.085	-.269	-.565	-.298	.035	-.898	.068	-.884	.079	-.796	.075	-.760	.077	-.718
.093	-.236	-.452	-.355	.105	-.841	.134	-.856	.133	-.805	.129	-.750	.129	-.748
.113	.106	-.311	-.426	.178	-.717	.209	-.842	.214	-.785	.201	-.765	.209	-.721
.115	.134	-.023	-.483	.286	-.537	.294	-.813	.295	-.751	.294	-.712	.293	-.706
.137	.066	.133	-.454	.396	-.530	.404	-.769	.407	-.751	.397	-.710	.396	-.690
.138	.093	.272	-.363	.514	-.436	.497	-.512	.502	-.719	.495	-.689	.494	-.680
.163	.049	.415	-.322	.618	-.377	.599	-.396	.601	-.720	.594	-.674	.590	-.661
.162	.063	.565	-.243	.733	-.359	.700	-.427	.698	-.451	.693	-.670	.693	-.620
.209	-.053	.713	-.192	.835	-.268	.782	-.373	.780	-.278	.784	-.252	.777	-.031
.247	-.198	.854	-.204	.919	-.091	.864	-.184	.863	-.179	.856	-.165	.861	-.009
.276	-.298	.980	-.219	.987	-.023	.926	-.081	.923	-.089	.926	-.088	.918	-.003
.324	-.368	1.074	-.186			.975	-.007	.977	-.018	.977	-.046	.972	.063
.361	-.372	1.122	-.088										
.396	-.306												
.438	-.247												
.487	-.092												
.518	-.047												
.556	-.087	-.658	.074	-.022	.295	.024	.229	.025	.122	.019	.153	.020	.212
.574	-.112	-.615	.066	.038	.058	.075	-.015	.074	-.074	.066	-.099	.076	-.116
.593	.007	-.572	.044	.101	-.026	.137	-.080	.130	-.110	.136	-.130	.136	-.155
.632	.031	-.462	-.048	.185	-.078	.213	-.115	.214	-.134	.214	-.109	.221	-.178
.670	.021	-.329	-.098	.289	-.086	.297	-.133	.298	-.146	.489	-.097	.295	-.192
.747	-.044	-.172	-.174	.398	-.124	.400	-.146	.397	-.141	.594	-.069	.396	-.184
.766	-.101	-.030	.216	.519	-.108	.498	-.136	.501	-.098	.700	.083	.497	-.155
.785	-.256	.128	-.189	.620	-.056	.604	-.079	.603	-.076	.786	.186	.597	-.049
.804	-.271	.418	-.164	.737	.089	.705	.066	.703	.097	.858	.248	.702	.111
.823	-.162	.564	-.066	.831	.187	.785	.183	.784	.219	.919	.264	.786	.184
.842	-.166	.710	.058	.914	.229	.859	.234	.868	.277	.967	.174	.864	.223
.861	-.093	.857	.180	.986	.117	.922	.252	.923	.281			.912	.245
.881	-.087	.976	.218	1.012	-.018	.967	.149	.972	.172			.985	.146
.900	-.112	1.072	.179			1.000	-.001						
.938	-.007	1.110	.079										
CN =			.4960		.5159		.5494		.5780		.5673		.4363
CH =			.0543		-.0108		-.0305		-.0525		-.0584		-.0191

TABLE II-86 CONFIGURATION 136 M = 0.98 Q = 923 $\alpha = 4.08^\circ$ $C_L = 0.5438$ $\beta = 0^\circ$													
STA	.044	STA	.133	STA	.307	STA	.480	STA	.653	STA	.804	STA	.933
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.146												
.057	-.097												
.076	-.219												
.080	-.179	-.658	-.195	-.021	-.807	.023	-.791	.025	-.730	.022	-.599	.018	-.575
.085	-.267	-.565	-.307	.035	-.940	.068	-.914	.079	-.820	.075	-.787	.077	-.765
.093	-.233	-.452	-.367	.105	-.875	.134	-.882	.133	-.836	.129	-.772	.129	-.778
.113	.109	-.311	-.440	.178	-.742	.209	-.876	.214	-.813	.201	-.782	.209	-.749
.115	.140	-.023	-.489	.286	-.566	.294	-.851	.295	-.779	.294	-.738	.293	-.729
.137	.062	.133	-.460	.396	-.534	.404	-.799	.407	-.785	.397	-.742	.396	-.726
.188	.096	.272	-.370	.514	-.452	.497	-.617	.502	-.762	.495	-.730	.494	-.702
.163	.047	.416	-.323	.618	-.388	.599	-.453	.601	-.750	.594	-.697	.590	-.683
.162	.057	.565	-.248	.733	-.376	.700	-.425	.698	-.589	.693	-.394	.693	-.223
.209	-.059	.713	-.195	.835	-.261	.782	-.369	.780	-.308	.784	-.237	.777	-.075
.247	-.205	.854	-.212	.919	-.092	.864	-.193	.863	-.193	.856	-.182	.861	-.015
.276	-.300	.980	-.231	.987	-.021	.926	-.093	.923	-.124	.926	-.144	.918	.009
.324	-.369	1.074	-.199			.975	-.024	.977	-.056	.977	-.135	.972	.058
.361	-.375	1.122	-.086										
.396	-.307												
.438	-.256												
.487	-.088												
.518	-.038	-.658	.072	-.022	.320	.024	.248	.025	.142	.019	.169	.020	.219
.556	-.091	-.615	.062	.038	.092	.075	.011	.074	-.044	.066	-.101	.076	-.104
.574	-.111	-.572	.053	.101	-.006	.137	-.057	.130	-.099	.136	-.110	.136	-.167
.593	.005	-.462	-.038	.185	-.054	.213	-.100	.214	-.125	.214	-.106	.221	-.175
.632	.023	-.329	-.084	.289	-.057	.297	-.110	.298	-.124	.489	-.103	.295	-.196
.670	.018	-.172	-.166	.398	-.100	.400	-.145	.397	-.127	.594	-.068	.396	-.201
.747	-.047	-.080	-.206	.519	-.093	.498	-.115	.501	-.099	.700	.068	.497	-.154
.766	-.105	.128	-.177	.620	-.049	.604	-.081	.603	-.080	.786	.173	.597	-.062
.785	-.259	.418	-.150	.737	.090	.705	.067	.703	.093	.858	.236	.702	.084
.804	-.260	.564	-.061	.831	.194	.735	.182	.784	.210	.919	.255	.786	.167
.823	-.165	.710	.060	.914	.234	.859	.240	.868	.272	.967	.148	.864	.210
.842	-.160	.857	.178	.986	.112	.922	.249	.923	.271			.912	.212
.861	-.089	.976	.221	1.012	-.024	.967	.146	.972	.154			.985	.091
.881	-.089	1.072	.179			1.000	-.004						
.900	-.109	1.110	.079										
.938	-.007												
CN =			.5237		.5481		.5922		.6220		.5630		.4557
CH =			.0607		-.0080		-.0311		-.0580		-.0504		-.0175

~~CONFIDENTIAL~~

TABLE II-87 CONFIGURATION 140 M = 0.98 Q = 923 $\alpha = 2.86^\circ$ $C_L = 0.3875$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.196												
.057	-.074												
.076	-.240												
.080	-.160	-.658	-.166	-.021	-.691	.023	-.633	.025	-.618	.022	-.429	.018	-.400
.085	-.225	-.565	-.248	.035	-.776	.068	-.796	.079	-.699	.075	-.677	.077	-.645
.093	-.316	-.452	-.295	.105	-.656	.134	-.753	.133	-.694	.129	-.664	.129	-.667
.113	.058	-.311	-.420	.178	-.537	.209	-.727	.214	-.696	.201	-.666	.209	-.630
.115	.032	-.023	-.446	.286	-.495	.294	-.663	.295	-.664	.294	-.616	.293	-.605
.137	.105	.133	-.396	.396	-.499	.404	-.591	.407	-.634	.397	-.598	.396	-.515
.138	.157	.272	-.339	.514	-.410	.497	-.459	.502	-.533	.495	-.216	.494	-.205
.163	.069	.416	-.294	.618	-.351	.599	-.364	.601	-.302	.594	-.181	.590	-.060
.162	.164	.565	-.225	.733	-.346	.700	-.396	.698	-.188	.693	-.241	.693	-.029
.209	-.059	.713	-.193	.835	-.247	.782	-.237	.780	-.261	.784	-.336	.777	-.181
.247	-.169	.854	-.196	.919	-.061	.864	-.165	.863	-.248	.856	-.303	.861	-.186
.276	-.263	.980	-.217	.987	.011	.926	-.076	.923	-.134	.926	-.122	.918	-.121
.324	-.386	1.074	-.153			.975	.023	.977	-.006	.977	.004	.972	.040
.361	-.352	1.122	-.050										
.396	-.299												
.487	-.070												
.518	-.050												
.556	-.085	-.658	.072	-.022	.252	.024	.144	.025	.041	.019	.061	.020	.139
.574	-.051	-.615	.056	.038	-.049	.075	-.101	.074	-.131	.066	-.179	.076	-.163
.593	.016	-.572	.036	.101	-.143	.137	-.173	.130	-.189	.136	-.151	.136	-.213
.670	.046	-.462	-.057	.185	-.226	.213	-.163	.214	-.163	.214	-.137	.221	-.204
.747	-.037	-.329	-.087	.289	-.221	.297	-.173	.298	-.163	.292	-.109	.295	-.200
.785	-.261	-.172	-.197	.398	-.137	.400	-.189	.397	-.129	.403	-.130	.396	-.174
.804	-.279	-.030	-.263	.519	-.155	.498	-.149	.501	-.113	.489	-.087	.497	-.123
.823	-.173	.128	-.265	.620	-.070	.604	-.086	.603	-.075	.594	-.066	.597	-.030
.842	-.157	.418	-.228	.737	.104	.705	.142	.703	.104	.700	.093	.702	.145
.861	-.082	.564	-.175	.831	.196	.785	.185	.784	.207	.786	.182	.786	.210
.900	-.102	.710	.027	.914	.233	.859	.238	.868	.253	.858	.237	.864	.250
.938	.001	.857	.159	.986	.128	.967	.180	.923	.270	.919	.250	.912	.258
		.976	.215	1.012	.008	1.000	.040	.972	.179	.967	.177	.985	.139
		1.072	.180										
		1.110	.088										
CN =			.3847		.4034		.4428		.4365		.3875		.3047
CM =			.0383		-.0237		-.0332		-.0420		-.0419		-.0240

TABLE II-88 CONFIGURATION 140 M = 0.98 Q = 923 $\alpha = 3.19^\circ$ $C_L = 0.4329$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.196												
.057	-.077												
.076	-.248												
.080	-.163	-.658	-.164	-.021	-.720	.023	-.658	.025	-.646	.022	-.447	.018	-.450
.085	-.228	-.565	-.256	.035	-.810	.068	-.813	.079	-.730	.075	-.715	.077	-.676
.093	-.320	-.452	-.305	.105	-.718	.134	-.788	.133	-.738	.129	-.697	.129	-.687
.113	.055	-.311	-.431	.178	-.566	.209	-.764	.214	-.737	.201	-.701	.209	-.663
.115	.035	-.023	-.454	.286	-.514	.294	-.728	.295	-.700	.294	-.641	.293	-.621
.137	.101	.133	-.401	.396	-.512	.404	-.635	.407	-.659	.397	-.640	.396	-.615
.138	.148	.272	-.357	.514	-.426	.497	-.456	.502	-.649	.495	-.612	.494	-.601
.163	.070	.416	-.305	.618	-.365	.599	-.386	.601	-.568	.594	-.462	.590	-.381
.162	.161	.565	-.234	.733	-.360	.700	-.404	.698	-.246	.693	-.257	.693	-.013
.209	-.065	.713	-.197	.835	-.259	.782	-.340	.780	-.273	.784	-.280	.777	-.078
.247	-.172	.854	-.204	.919	-.063	.864	-.181	.863	-.208	.856	-.253	.861	-.087
.276	-.265	.980	-.216	.987	-.002	.926	-.083	.923	-.112	.926	-.102	.918	-.098
.324	-.394	1.074	-.144			.975	.017	.977	-.009	.977	.014	.972	.048
.361	-.357	1.122	-.056										
.396	-.303												
.487	-.078												
.518	-.050												
.556	-.100	-.658	.073	-.022	.270	.024	.178	.025	.083	.019	.093	.020	.162
.574	-.074	-.615	.057	.038	-.019	.075	-.068	.074	-.091	.066	-.146	.076	-.146
.593	.004	-.572	.035	.101	-.112	.137	-.125	.130	-.147	.136	-.158	.136	-.201
.670	.043	-.462	-.044	.185	-.190	.213	-.151	.214	-.149	.214	-.125	.221	-.179
.747	-.042	-.329	-.089	.289	-.083	.297	-.179	.298	-.146	.292	-.101	.295	-.187
.785	-.261	-.172	-.195	.398	-.142	.400	-.154	.397	-.112	.403	-.116	.396	-.173
.804	-.276	-.030	-.255	.519	-.146	.498	-.140	.501	-.109	.489	-.090	.497	-.140
.823	-.168	.128	-.234	.620	-.075	.604	-.090	.603	-.079	.594	-.059	.597	-.042
.842	-.165	.418	-.221	.737	.106	.705	.141	.703	.097	.700	.092	.702	.127
.861	-.083	.564	-.125	.831	.193	.785	.184	.784	.203	.786	.181	.786	.198
.900	-.103	.710	.039	.914	.234	.859	.242	.868	.257	.858	.236	.864	.238
.938	-.003	.857	.160	.986	.128	.967	.168	.923	.269	.919	.252	.912	.257
		.976	.217	1.012	-.001	1.000	.027	.972	.175	.967	.174	.985	.149
		1.072	.179										
		1.110	.081										
CN =			.4183		.4473		.4846		.5025		.4664		.3760
CM =			.0428		-.0204		-.0348		-.0459		-.0474		-.0241

~~CONFIDENTIAL~~

TABLE II-89 CONFIGURATION 140 M = 0.98 Q = 923 $\alpha = 3.52^\circ$ C _L = 0.4740 $\beta = 0^\circ$											
STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933					
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP					
UPPER SURFACE											
.019 .186											
.057 .085											
.076 .250											
.080 .170	-.658	-.168	-.021	-.743	.023	-.708	.025	-.674	.022	-.515	.018
.085 .233	-.565	-.268	.035	-.817	.068	-.853	.079	-.763	.075	-.735	.077
.093 .320	-.452	-.316	.105	-.823	.134	-.831	.133	-.767	.129	-.717	.129
.113 .054	-.311	-.435	.178	-.579	.209	-.797	.214	-.762	.201	-.726	.209
.115 .033	-.023	-.456	.286	-.522	.294	-.775	.295	-.727	.294	-.683	.293
.137 .102	.133	-.405	.396	-.519	.404	-.696	.407	-.689	.397	-.664	.396
.138 .148	.272	-.357	.514	-.436	.497	-.472	.502	-.680	.495	-.654	.494
.163 .068	.416	-.314	.618	-.375	.599	-.404	.601	-.657	.594	-.640	.590
.162 .159	.565	-.241	.733	-.368	.700	-.411	.698	-.359	.693	-.354	.693
.209 .063	.713	-.198	.835	-.254	.782	-.375	.780	-.260	.784	-.252	.777
.247 .181	.854	-.202	.919	-.085	.864	-.173	.863	-.195	.856	-.183	.861
.276 .272	.980	-.222	.987	-.013	.926	-.071	.923	-.100	.926	-.072	.918
.324 .392	1.074	-.167			.975	.011	.977	-.018	.977	-.025	.972
.361 .355	1.122	-.074									.068
.396 .309											
.487 .081											
.518 .053											
LOWER SURFACE											
.556 .101	-.658	.077	-.022	.278	.024	.215	.025	.114	.019	.124	.020
.574 .090	-.615	.065	.038	-.001	.075	-.035	.074	-.068	.066	-.108	.076
.593 .003	-.572	.046	.101	-.096	.137	-.108	.130	-.117	.136	-.126	.136
.670 .035	-.462	-.037	.185	-.082	.213	-.142	.214	-.136	.214	-.123	.221
.747 .041	-.329	-.076	.289	-.095	.297	-.151	.298	-.137	.292	-.090	.295
.785 .262	-.172	-.184	.398	-.129	.400	-.149	.397	-.108	.403	-.112	.396
.804 .277	-.030	-.251	.519	-.123	.498	-.133	.501	-.106	.489	-.084	.497
.823 .169	.128	-.241	.620	-.065	.604	-.083	.603	-.079	.594	-.074	.597
.842 .165	.418	-.203	.737	.112	.705	.136	.703	.094	.700	.082	.702
.861 .085	.564	-.077	.831	.194	.785	.185	.784	.206	.786	.178	.786
.900 .105	.710	.048	.914	.237	.859	.237	.868	.257	.858	.225	.864
.938 .005	.857	.174	.986	.116	.967	.161	.923	.269	.919	.248	.912
	.976	.220	1.012	-.014	1.000	.020	.972	.161	.967	.157	.985
	1.072	.180									.144
	1.110	.088									
CN =		.4478		.4810		.5202		.5417		.5075	
CM =		.0449		-.0181		-.0320		-.0476		-.0465	

TABLE II-90				CONFIGURATION 136		M = 0.95		Q = 923		$\alpha = -0.05^\circ$		$C_L = -0.0031$		$\beta = 0^\circ$	
STA	.044	STA	.133	STA	.307	STA	.480	STA	.653	STA	.804	STA	.933		
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP		
.019	.191														
.057	-.058														
.076	-.167														
UPPER SURFACE															
.080	-.167	-.658	-.073	-.021	-.025	.023	-.206	.025	-.059	.022	.116	.018	-.215		
.085	-.208	-.565	-.202	.035	-.230	.068	-.324	.079	-.184	.075	-.084	.077	-.083		
.093	-.137	-.452	-.266	.105	-.237	.134	-.325	.133	-.179	.129	-.110	.129	-.076		
.113	.077	-.311	-.337	.178	-.250	.209	-.302	.214	-.136	.201	-.124	.209	-.133		
.115	.119	-.023	-.426	.286	-.262	.294	-.211	.295	-.134	.294	-.122	.293	-.155		
.137	.069	.133	-.269	.396	-.286	.404	-.167	.407	-.170	.397	-.137	.396	-.191		
.138	.084	.272	-.064	.514	-.228	.497	-.223	.502	-.191	.495	-.179	.494	-.238		
.163	.060	.416	-.070	.618	-.164	.599	-.211	.601	-.235	.594	-.215	.590	-.279		
.162	.068	.565	-.087	.733	-.187	.700	-.248	.698	-.285	.693	-.263	.693	-.258		
.209	-.045	.713	-.076	.835	-.171	.782	-.241	.780	-.317	.784	-.326	.777	-.140		
.047	-.186	.854	-.082	.919	-.093	.864	-.249	.863	-.285	.856	-.328	.861	-.158		
.276	-.272	.980	-.082	.987	.034	.926	-.131	.923	-.166	.926	-.151	.918	-.112		
.324	-.345	1.074	-.040			.975	-.001	.977	-.008	.977	.005	.972	.032		
.361	-.348	1.122	.016												
.395	-.159														
.438	-.012														
LOWER SURFACE															
.487	.078														
.518	.044	-.658	.001	-.022	.099	.024	-.249	.025	-.491	.019	-.517	.020	-.597		
.566	.042	-.615	-.028	.038	-.173	.075	-.485	.074	-.695	.066	-.808	.076	-.786		
.574	.044	-.572	-.056	.101	-.271	.137	-.617	.130	-.594	.136	-.691	.136	-.752		
.593	.039	-.462	-.153	.185	-.332	.213	-.490	.214	-.361	.214	-.316	.221	-.634		
.632	.039	-.329	-.201	.289	-.364	.297	-.482	.298	-.267	.489	-.200	.295	-.347		
.670	.020	-.172	-.256	.398	-.376	.400	-.187	.397	-.276	.594	-.124	.396	-.286		
.747	-.063	-.050	-.310	.519	-.294	.498	-.200	.501	-.192	.700	.043	.497	-.067		
.766	-.127	.128	-.228	.620	-.096	.604	-.126	.603	-.113	.786	.115	.597	.006		
.785	-.283	.418	-.224	.737	.068	.705	.054	.703	.058	.858	.154	.702	.124		
.804	-.195	.564	-.228	.831	.145	.785	.164	.784	.133	.019	.174	.786	.181		
.823	-.215	.710	-.075	.914	.191	.859	.201	.868	.175	.967	.139	.864	.211		
.842	-.157	.857	.091	.986	.164	.922	.223	.923	.209			.912	.219		
.861	-.084	.976	.163	1.012	.095	.967	.160	.972	.155			.985	.110		
.881	-.065	1.072	.158			1.000	.061								
.900	-.053	1.110	.101												
.938	.069														
CN =		.0936		.0636		.0632		.0215		-.0213		-.0398			
CM =		.0197		-.0412		-.0680		-.0869		-.0937		-.0988			

~~CONFIDENTIAL~~

TABLE II-91		CONFIGURATION 136		M = 0.95		Q = 923		$\alpha = 1.37^{\circ}$		$C_L = 0.1791$		$\beta = 0^{\circ}$	
STA	.044	STA	.133	STA	.307	STA	.480	STA	.653	STA	.804	STA	.933
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.170												
.057	-.081												
.076	-.180												
.080	-.167	-.658	-.104	-.021	-.245	.023	-.443	.025	-.404	.022	-.103	.018	-.018
.085	-.213	-.565	-.247	.035	-.404	.068	-.564	.079	-.460	.075	-.292	.077	-.279
.093	-.149	-.452	-.309	.105	-.361	.134	-.464	.133	-.394	.129	-.285	.129	-.240
.113	.071	-.311	-.387	.178	-.366	.209	-.444	.214	-.195	.201	-.281	.209	-.225
.115	.106	-.023	-.452	.286	-.315	.294	-.433	.295	-.148	.294	-.235	.293	-.241
.137	.060	.133	-.384	.396	-.385	.404	-.311	.407	-.212	.397	-.244	.396	-.247
.138	.077	.272	-.097	.514	-.318	.497	-.264	.502	-.258	.495	-.257	.494	-.276
.163	.048	.416	-.096	.618	-.289	.599	-.143	.601	-.309	.594	-.268	.590	-.290
.162	.057	.565	-.113	.733	-.299	.700	-.205	.698	-.361	.693	-.303	.693	-.291
.209	-.056	.713	-.116	.835	-.151	.782	-.256	.780	-.429	.784	-.377	.777	-.155
.247	-.198	.854	-.144	.919	-.071	.864	-.284	.863	-.251	.856	-.417	.861	-.189
.276	-.292	.980	-.142	.987	.036	.926	-.161	.923	-.134	.926	-.184	.918	-.132
.324	-.361	1.074	-.063			.975	-.012	.977	-.019	.977	-.027	.972	.025
.361	-.357	1.122	.003										
.396	-.218												
.438	-.030												
.487	-.005												
.518	-.004	-.658	.021	-.022	.234	.024	-.028	.025	-.175	.019	-.186	.020	-.181
.556	.008	-.615	-.002	.038	-.061	.075	-.260	.074	-.307	.066	-.399	.076	-.478
.574	.028	-.572	-.027	.101	-.170	.137	-.300	.130	-.274	.136	-.328	.136	-.431
.593	.032	-.462	-.129	.185	-.230	.213	-.281	.214	-.268	.214	-.252	.221	-.359
.632	.038	-.329	-.160	.289	-.209	.297	-.242	.298	-.236	.294	-.161	.295	-.320
.670	.017	-.172	-.235	.398	-.226	.400	-.210	.397	-.208	.594	-.110	.396	-.221
.747	-.066	-.030	-.275	.519	-.169	.498	-.180	.501	-.141	.700	.066	.497	-.091
.766	-.127	.128	-.179	.620	-.086	.604	-.095	.603	-.119	.786	.165	.597	-.014
.785	-.277	.418	-.193	.737	.076	.705	.067	.703	.074	.858	.211	.702	.128
.804	-.206	.564	-.140	.831	.170	.785	.168	.784	.196	.919	.230	.786	.211
.823	-.214	.710	-.000	.914	.219	.859	.209	.868	.262	.967	.155	.864	.258
.842	-.164	.857	.131	.986	.153	.922	.229	.923	.271			.912	.262
.861	-.092	.976	.187	1.012	.075	.967	.162	.972	.161			.985	.104
.881	-.082	1.072	.171			1.000	.049						
.900	-.059	1.110	.098										
.938	.066												
CN =			.2455		.2370		.2269		.2020		.1758		.1226
CH =			.0345		-.0349		-.0456		-.0727		-.0828		-.0770

TABLE II-92		CONFIGURATION 136		M = 0.95		Q = 923		$\alpha = 2.70^{\circ}$		$C_L = 0.3405$		$\beta = 0^{\circ}$	
STA	.044	STA	.133	STA	.307	STA	.480	STA	.653	STA	.804	STA	.933
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.145												
.057	-.098												
.076	-.205												
.080	-.174	-.658	-.153	-.021	-.676	.023	-.659	.025	-.659	.022	-.499	.018	-.405
.085	-.237	-.565	-.286	.035	-.793	.068	-.822	.079	-.746	.075	-.729	.077	-.485
.093	-.160	-.452	-.350	.105	-.261	.134	-.690	.133	-.739	.129	-.685	.129	-.481
.113	.063	-.311	-.428	.178	-.345	.209	-.592	.214	-.661	.201	-.602	.209	-.305
.115	.103	-.023	-.475	.286	-.379	.294	-.413	.295	-.546	.294	-.237	.293	-.325
.137	.041	.133	-.411	.396	-.440	.404	-.487	.407	-.443	.397	-.131	.396	-.330
.138	.072	.272	-.223	.514	-.384	.497	-.412	.502	-.384	.495	-.260	.494	-.362
.163	.030	.416	-.088	.618	-.365	.599	-.403	.601	-.147	.594	-.266	.590	-.375
.162	.050	.565	-.124	.733	-.378	.700	-.430	.698	-.217	.693	-.382	.693	-.317
.209	-.074	.713	-.146	.835	-.284	.782	-.208	.780	-.306	.784	-.496	.777	-.112
.247	-.213	.854	-.190	.919	-.081	.864	-.140	.863	-.334	.856	-.516	.861	-.151
.276	-.310	.980	-.226	.987	.007	.926	-.059	.923	-.179	.926	-.154	.918	-.118
.324	-.380	1.074	-.136			.975	.010	.977	-.026	.977	-.041	.972	.024
.361	-.372	1.122	-.044										
.396	-.262												
.438	-.042												
.487	-.016												
.518	-.037	-.658	.046	-.022	.294	.024	.130	.025	-.021	.019	.114	.020	.157
.556	-.094	-.615	.021	.038	.049	.075	-.119	.074	-.148	.066	-.157	.076	-.215
.574	-.039	-.572	.000	.101	-.068	.137	-.168	.130	-.177	.136	-.150	.136	-.250
.593	.012	-.462	-.088	.185	-.142	.213	-.187	.214	-.174	.214	-.137	.221	-.235
.632	.035	-.329	-.129	.289	-.136	.297	-.175	.298	-.159	.489	-.119	.295	-.234
.670	.024	-.172	-.209	.398	-.157	.400	-.179	.397	-.144	.594	-.079	.396	-.188
.747	-.064	-.030	-.232	.519	-.134	.498	-.148	.501	-.106	.700	.081	.497	-.116
.766	-.128	.128	-.151	.620	-.074	.604	-.088	.603	-.076	.786	.177	.597	-.028
.785	-.272	.418	-.138	.737	.083	.705	.069	.703	.097	.858	.231	.702	.118
.804	-.201	.564	-.095	.831	.182	.785	.182	.784	.218	.919	.254	.786	.202
.823	-.216	.710	.030	.914	.228	.859	.233	.868	.273	.967	.151	.864	.247
.842	-.172	.857	.163	.986	.128	.922	.248	.923	.283			.912	.255
.861	-.104	.976	.204	1.012	.021	.967	.171	.972	.175			.985	.091
.881	-.097	1.072	.170			1.000	.051						
.900	-.081	1.110	.079										
.938	.060												
CN =			.3791		.3725		.3852		.3966		.3583		.2614
CH =			.0496		-.0306		-.0342		-.0432		-.0602		-.0478

~~CONFIDENTIAL~~

ORIGINAL PAGE IS
OF POOR QUALITY

TABLE II-93 CONFIGURATION 136 M = 0.95 Q = 923 $\alpha = 3.00^\circ$ $C_L = 0.3705$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
UPPER SURFACE													
.019	.145												
.057	-.097												
.076	-.206												
.080	-.170	-.658	-.171	-.021	-.669	.023	-.681	.025	-.690	.022	-.547	.018	-.512
.085	-.247	-.565	-.288	.035	-.799	.068	-.827	.079	-.767	.075	-.759	.077	-.624
.093	-.151	-.452	-.353	.105	-.480	.134	-.748	.133	-.770	.129	-.731	.129	-.593
.113	.062	-.311	-.428	.178	-.279	.209	-.583	.214	-.711	.201	-.649	.209	-.281
.115	.112	-.023	-.479	.286	-.375	.294	-.433	.295	-.628	.294	-.631	.293	-.290
.137	.043	.133	-.421	.396	-.437	.404	-.495	.407	-.432	.397	-.085	.396	-.291
.138	.069	.272	-.223	.514	-.382	.497	-.424	.502	-.401	.495	-.156	.494	-.352
.163	.033	.416	-.096	.618	-.362	.599	-.415	.601	-.175	.594	-.227	.590	-.360
.162	.046	.565	-.130	.733	-.385	.700	-.462	.698	-.175	.693	-.332	.693	-.370
.209	-.073	.713	-.142	.835	-.317	.782	-.222	.780	-.263	.784	-.452	.777	-.142
.247	-.218	.854	-.194	.919	-.099	.864	-.135	.863	-.297	.856	-.498	.861	-.154
.276	-.311	.980	-.229	.987	-.002	.926	-.054	.923	-.173	.926	-.174	.918	-.105
.324	-.380	1.074	-.175			.975	.001	.977	-.019	.977	-.038	.972	.027
.361	-.370	1.122	-.061										
.396	-.280												
.438	-.052												
.487	-.011												
LOWER SURFACE													
.518	-.034	-.658	.039	-.022	.308	.024	.157	.025	.051	.019	.124	.020	.150
.556	-.099	-.615	.024	.038	.066	.075	-.099	.074	-.134	.066	-.122	.076	-.145
.574	-.065	-.572	.013	.101	-.047	.137	-.157	.130	-.161	.136	-.143	.136	-.202
.593	.004	-.462	-.084	.185	-.118	.213	-.186	.214	-.163	.214	-.125	.221	-.202
.632	.033	-.329	-.126	.289	-.133	.297	-.167	.298	-.154	.489	-.107	.295	-.217
.670	.025	-.172	-.202	.398	-.159	.400	-.175	.397	-.136	.594	-.069	.396	-.176
.747	-.062	-.030	-.216	.519	-.134	.498	-.149	.501	-.102	.700	.082	.497	-.122
.766	-.124	.128	-.143	.620	-.068	.604	-.095	.603	-.074	.786	.184	.597	-.029
.785	-.268	.418	-.136	.737	.081	.705	.064	.703	.097	.858	.241	.702	.117
.804	-.198	.564	-.085	.831	.186	.785	.178	.784	.215	.919	.255	.786	.201
.823	-.216	.710	.036	.914	.227	.859	.232	.868	.279	.967	.161	.864	.242
.842	-.174	.857	.162	.986	.125	.922	.248	.923	.285			.912	.254
.861	-.112	.976	.205	1.012	.015	.967	.169	.972	.183			.985	.076
.881	-.103	1.072	.170			1.000	.040						
.900	-.091	1.110	.077										
.938	.057												
CN =			.3982		.3926		.4016		.4126		.3908		.2872
CM =			.0515		-.0292		-.0333		-.0367		-.0502		-.0416

TABLE II-94 CONFIGURATION 136 M = 0.95 Q = 923 $\alpha = 3.37^\circ$ $C_L = 0.4245$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
UPPER SURFACE													
.019	.139												
.057	-.101												
.076	-.216												
.080	-.174	-.658	-.183	-.021	-.812	.023	-.741	.025	-.732	.022	-.613	.018	-.572
.085	-.258	-.565	-.302	.035	-.883	.068	-.872	.079	-.818	.075	-.792	.077	-.768
.093	-.177	-.452	-.366	.105	-.783	.134	-.830	.133	-.824	.129	-.792	.129	-.722
.113	.059	-.311	-.443	.178	-.254	.209	-.755	.214	-.789	.201	-.780	.209	-.700
.115	.106	-.023	-.499	.286	-.356	.294	-.421	.295	-.706	.294	-.730	.293	-.641
.137	.038	.133	-.426	.396	-.440	.404	-.525	.407	-.533	.397	-.693	.396	-.139
.138	.072	.272	-.278	.514	-.390	.497	-.457	.502	-.413	.495	-.198	.494	-.183
.163	.031	.416	-.103	.618	-.367	.599	-.447	.601	-.441	.594	-.135	.590	-.233
.162	.048	.565	-.116	.733	-.398	.700	-.486	.698	-.189	.693	-.230	.693	-.235
.209	-.075	.713	-.148	.835	-.340	.782	-.269	.780	-.219	.784	-.361	.777	-.262
.247	-.223	.854	-.195	.919	-.114	.864	-.144	.863	-.241	.856	-.419	.861	-.202
.276	-.314	.980	-.241	.987	-.010	.926	-.053	.923	-.142	.926	-.186	.918	-.147
.324	-.383	1.074	-.203			.975	-.009	.977	-.011	.977	-.011	.972	.017
.361	-.382	1.122	-.075										
.396	-.284												
.438	-.064												
.487	-.002												
LOWER SURFACE													
.518	-.033	-.658	-.045	-.022	.326	.024	.196	.025	.078	.019	.156	.020	.211
.556	-.104	-.615	.033	.038	.087	.075	-.049	.074	-.083	.066	-.108	.076	-.101
.574	-.101	-.572	.018	.101	-.016	.137	-.119	.130	-.136	.136	-.114	.136	-.173
.593	-.009	-.462	-.082	.185	-.092	.213	-.154	.214	-.143	.214	-.103	.221	-.169
.632	.031	-.329	-.111	.289	-.100	.297	-.142	.298	-.139	.489	-.090	.295	-.176
.670	.023	-.172	-.200	.398	-.136	.400	-.151	.397	-.127	.594	-.056	.396	-.141
.747	-.057	-.030	-.221	.519	-.116	.498	-.135	.501	-.101	.700	.099	.497	-.102
.766	-.128	.128	-.125	.620	-.067	.604	-.087	.603	-.065	.786	.200	.597	-.015
.785	-.265	.418	-.119	.737	.083	.705	.062	.703	.108	.858	.256	.702	.124
.804	-.198	.564	-.068	.831	.185	.785	.176	.784	.223	.919	.264	.786	.210
.823	-.212	.710	.042	.914	.230	.859	.231	.868	.280	.967	.183	.864	.248
.842	-.175	.857	.171	.986	.118	.922	.246	.923	.289			.912	.253
.861	-.113	.976	.208	1.012	.003	.967	.151	.972	.195			.985	.086
.881	-.099	1.072	.165			1.000	.038						
.900	-.090	1.110	.076										
.938	.057												
CN =			.4372		.4489		.4572		.4776		.4714		.3562
CM =			.0583		-.0218		-.0303		-.0357		-.0389		-.0263

~~CONFIDENTIAL~~

TABLE II-95 CONFIGURATION 136 M = 0.95 Q = 923 $\alpha = 3.99^{\circ}$ $C_L = 0.5097$ $\beta = 0^{\circ}$													
STA	.044	STA	.133	STA	.307	STA	.480	STA	.653	STA	.804	STA	.933
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.127												
.057	-.107												
.076	-.222												
.080	-.176	-.658	-.208	-.021	-.861	.023	-.823	.025	-.788	.022	-.689	.018	-.668
.085	-.257	-.565	-.328	.035	-.960	.068	-.958	.079	-.882	.075	-.850	.077	-.844
.093	-.165	-.452	-.383	.105	-.892	.134	-.921	.133	-.889	.129	-.843	.129	-.864
.113	.061	-.311	-.460	.178	-.351	.209	-.829	.214	-.857	.201	-.838	.209	-.824
.115	.100	-.023	-.499	.286	-.377	.294	-.689	.295	-.801	.294	-.788	.293	-.769
.137	.039	.133	-.421	.396	-.452	.404	-.488	.407	-.766	.397	-.772	.396	-.694
.138	.068	.272	-.262	.514	-.419	.497	-.467	.502	-.451	.495	-.747	.494	-.356
.163	.029	.416	-.135	.618	-.393	.599	-.460	.601	-.455	.594	-.289	.590	-.092
.162	.047	.565	-.128	.733	-.413	.700	-.499	.698	-.463	.693	-.182	.693	-.044
.209	-.082	.713	-.148	.835	-.364	.782	-.402	.780	-.229	.784	-.223	.777	-.163
.247	-.227	.854	-.212	.919	-.120	.864	-.171	.863	-.190	.856	-.218	.861	-.204
.276	-.315	.980	-.255	.987	-.024	.926	-.065	.923	-.104	.926	-.144	.918	-.167
.324	-.384	1.074	-.223			.975	-.029	.977	-.001	.977	.008	.972	-.008
.361	-.380	1.122	-.094										
.396	-.286												
.438	-.072												
.487	-.017												
.518	-.045	-.658	.056	-.022	.354	.024	.248	.025	.145	.019	.193	.020	.260
.556	-.120	-.615	.051	.038	.123	.075	.006	.074	-.046	.066	-.058	.076	-.055
.574	-.141	-.572	.028	.101	.023	.137	-.067	.130	-.100	.136	-.078	.136	-.117
.593	-.024	-.462	-.057	.185	-.049	.213	-.110	.214	-.108	.214	-.084	.221	-.138
.632	.024	-.329	-.095	.289	-.070	.297	-.107	.298	-.120	.489	-.063	.295	-.146
.670	.022	-.172	-.178	.398	-.113	.400	-.137	.397	-.106	.594	-.039	.396	-.125
.747	-.054	-.030	-.184	.519	-.098	.498	-.121	.501	-.088	.700	.111	.497	.101
.766	-.119	.128	-.114	.620	-.048	.604	-.080	.603	-.061	.786	.212	.597	-.017
.785	-.262	.418	-.102	.737	.087	.705	.062	.703	.109	.858	.271	.702	.127
.804	-.199	.664	-.051	.831	.192	.785	.180	.784	.228	.919	.290	.786	.208
.823	-.207	.710	.060	.914	.231	.859	.232	.868	.292	.967	.207	.864	.252
.842	-.175	.857	.179	.986	.114	.922	.247	.923	.296			.912	.249
.861	-.116	.976	.216	1.012	-.018	.967	.138	.972	.188			.985	.110
.881	-.112	1.072	.173			1.000	-.000						
.900	-.102	1.110	.070										
.938	.056												
CN =			.4866		.5027		.5379		.5688		.5589		.4485
CM =			.0688		-.0180		-.0286		-.0378		-.0331		-.0110

TABLE II-96 CONFIGURATION 136 M = 0.95 Q = 923 $\alpha = 5.31^{\circ}$ $C_L = 0.6673$ $\beta = 0^{\circ}$													
STA	.044	STA	.133	STA	.307	STA	.480	STA	.653	STA	.804	STA	.933
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.107												
.057	-.132												
.076	-.237												
.080	-.188	-.658	-.258	-.021	-.999	.023	-.948	.025	-.928	.022	-.851	.018	-.811
.085	-.265	-.565	-.382	.035	-.137	.068	-.1055	.079	-.1009	.075	-.965	.077	-.953
.093	-.174	-.452	-.419	.105	-.1102	.134	-.1040	.133	-.999	.129	-.945	.129	-.958
.113	.052	-.311	-.499	.178	-.1008	.209	-.991	.214	-.975	.201	-.951	.209	-.936
.115	.102	-.023	-.521	.286	-.403	.294	-.930	.295	-.931	.294	-.902	.293	-.899
.137	.031	.133	-.440	.396	-.435	.404	-.847	.407	-.923	.397	-.892	.396	-.846
.138	.063	.272	-.323	.514	-.426	.497	-.507	.502	-.898	.495	-.875	.494	-.788
.163	.013	.416	-.176	.618	-.423	.599	-.492	.601	-.885	.594	-.632	.590	-.409
.162	.032	.565	-.153	.733	-.452	.700	-.537	.698	-.559	.693	-.372	.693	-.177
.209	-.090	.713	-.188	.835	-.395	.782	-.460	.780	-.380	.784	-.283	.777	-.069
.247	-.244	.854	-.233	.919	-.152	.864	-.176	.863	-.245	.856	-.200	.861	-.043
.276	-.333	.980	-.284	.987	-.064	.926	-.104	.923	-.112	.926	-.154	.918	-.041
.324	-.399	1.074	-.287			.975	-.064	.977	-.039	.977	-.115	.972	.016
.361	-.392	1.122	-.150										
.396	-.290												
.438	-.110												
.487	-.028												
.518	-.061	-.658	.078	-.022	.390	.024	.342	.025	-.258	.019	.296	.020	.309
.556	-.147	-.615	.072	.038	.190	.075	.102	.074	.042	.066	.026	.076	-.003
.574	-.210	-.572	.058	.101	.094	.137	.010	.130	-.021	.136	-.019	.136	-.068
.593	-.075	-.462	-.019	.185	.030	.213	-.039	.214	-.055	.214	-.041	.221	-.106
.632	.007	-.329	-.063	.289	-.012	.297	-.060	.298	-.069	.489	-.072	.295	-.122
.670	.014	-.172	-.140	.398	-.052	.400	-.099	.397	-.071	.594	-.066	.396	-.114
.747	-.056	-.030	-.124	.519	-.053	.498	-.093	.501	-.074	.700	.097	.497	.102
.766	-.118	.128	-.072	.620	-.026	.604	-.070	.603	-.056	.786	.186	.597	-.028
.785	-.248	.418	-.055	.737	.095	.705	.064	.703	.101	.858	.251	.702	.106
.804	-.194	.564	-.016	.831	.195	.785	.175	.784	.221	.919	.278	.786	.183
.823	-.201	.710	.086	.914	.227	.859	.236	.868	.278	.967	.169	.864	.223
.842	-.176	.857	.208	.986	.096	.922	.243	.923	.283			.912	.231
.861	-.124	.976	.229	1.012	-.045	.967	.136	.972	.177			.985	.104
.881	-.125	1.072	.171			1.000	-.022						
.900	-.117	1.110	.063										
.938	.045												
CN =			.6135		.6515		.6827		.7686		.6954		.5687
CM =			.0908		-.0017		-.0250		-.0535		-.0384		-.0020

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

TABLE II-97 CONFIGURATION 136 M = 0.95 Q = 923 $\alpha = 6.61^\circ$ $C_L = 0.7900$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
UPPER SURFACE													
.019	.102												
.057	-.132												
.076	-.247												
.080	-.192	-.658	-.327	-.021	-1.110	.023	-1.048	.025	-1.034	.022	-.957	.018	-.904
.085	-.276	-.565	-.424	.035	-1.232	.068	-1.151	.079	-1.098	.075	-1.066	.077	-1.043
.093	-.179	-.452	-.468	.105	-1.206	.134	-1.118	.133	-1.081	.129	-1.051	.129	-1.053
.113	.053	-.311	-.532	.178	-1.161	.209	-1.088	.214	-1.062	.201	-1.041	.209	-1.009
.115	.090	-.023	-.528	.286	-.758	.294	-1.037	.295	-1.020	.284	-.997	.293	-.960
.137	.024	.133	-.456	.396	-.415	.404	-.991	.407	-1.011	.397	-.959	.396	-.935
.138	.057	.272	-.334	.514	-.427	.497	-.809	.502	-.993	.495	-.794	.494	-.844
.163	.012	.416	-.224	.618	-.440	.599	-.607	.601	-.984	.594	-.412	.590	-.471
.162	.032	.565	-.189	.733	-.470	.700	-.509	.698	-.652	.693	-.262	.693	-.229
.209	-.102	.713	-.208	.835	-.431	.782	-.358	.780	-.496	.784	-.236	.777	-.168
.247	-.252	.854	-.258	.919	-.202	.864	-.228	.863	-.465	.856	-.206	.861	-.096
.276	-.340	.980	-.311	.987	-.083	.926	-.177	.923	-.420	.926	-.198	.918	-.072
.324	-.404	1.074	-.336			.975	-.112	.977	-.352	.977	-.186	.972	-.026
.361	-.396	1.122	-.176										
.396	-.285												
.438	-.142												
.487	-.052												
LOWER SURFACE													
.518	-.083	-.658	.079	-.022	.427	.024	.408	.025	.340	.019	.375	.020	.359
.556	-.171	-.615	.091	.038	.258	.075	.178	.074	.128	.066	.100	.076	.051
.574	-.241	-.572	.089	.101	.155	.137	.083	.130	.045	.136	.025	.136	-.044
.593	-.138	-.462	.016	.185	.092	.213	.020	.214	-.004	.214	-.012	.221	-.087
.632	-.006	-.329	-.022	.289	.036	.297	-.007	.298	-.030	.489	-.084	.295	-.121
.670	.011	-.172	-.090	.398	-.002	.400	-.052	.397	-.050	.594	-.080	.396	-.143
.747	-.050	-.080	-.079	.519	-.028	.498	-.062	.501	-.065	.700	.053	.497	-.129
.766	-.113	.128	-.030	.620	-.005	.604	-.055	.603	-.069	.786	.153	.597	-.061
.785	-.239	.418	-.017	.737	.109	.705	.062	.703	.077	.858	.224	.702	.068
.804	-.192	.564	.027	.831	.209	.785	.170	.784	.185	.919	.245	.786	.151
.823	-.199	.710	.115	.914	.234	.859	.234	.868	.246	.967	.107	.864	.193
.842	-.177	.857	.224	.986	.091	.922	.230	.923	.244			.912	.197
.861	-.129	.976	.245	1.012	-.070	.967	.095	.972	.087			.985	.010
.881	-.139	1.072	.181			1.000	-.118						
.900	-.133	1.110	.059										
.938	.038												
CN =		.7270		.7675		.7992		.9036		.6967		.6226	
CH =		.1131		.0050		-.0231		-.0753		-.0134		.0023	

TABLE II-98 CONFIGURATION 136 M = 0.95 Q = 923 $\alpha = 7.86^\circ$ $C_L = 0.8543$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
UPPER SURFACE													
.019	.085												
.057	-.140												
.076	-.247												
.080	-.192	-.658	-.373	-.021	-1.185	.023	-1.144	.025	-1.129	.022	-.958	.018	-.715
.085	-.279	-.565	-.476	.035	-1.301	.068	-1.224	.079	-1.188	.075	-1.040	.077	-.628
.093	-.186	-.452	-.510	.105	-1.263	.134	-1.194	.133	-1.172	.129	-1.053	.129	-.604
.113	.046	-.311	-.557	.178	-1.211	.209	-1.156	.214	-1.134	.201	-.949	.209	-.498
.115	.092	-.023	-.547	.286	-.922	.294	-1.124	.295	-1.089	.294	-.813	.293	-.484
.137	.018	.133	-.471	.396	-.769	.404	-1.024	.407	-1.039	.397	-.703	.396	-.444
.138	.046	.272	-.358	.514	-.559	.497	-.814	.502	-.761	.495	-.592	.494	-.448
.163	.008	.416	-.278	.618	-.548	.599	-.656	.601	-.637	.594	-.489	.590	-.369
.162	.023	.565	-.239	.733	-.489	.700	-.536	.698	-.515	.693	-.445	.693	-.340
.209	-.117	.713	-.251	.835	-.485	.782	-.424	.780	-.459	.784	-.379	.777	-.320
.247	-.262	.854	-.307	.919	-.277	.864	-.340	.863	-.402	.856	-.377	.861	-.290
.276	-.349	.980	-.354	.987	-.107	.926	-.297	.923	-.390	.926	-.373	.918	-.273
.324	-.409	1.074	-.388			.975	-.252	.977	-.373	.977	-.330	.972	-.260
.361	-.392	1.122	-.217										
.396	-.286												
.438	-.171												
.487	-.074												
LOWER SURFACE													
.518	-.106	-.658	.088	-.022	.451	.024	.475	.025	.402	.019	.423	.020	.414
.556	-.198	-.615	.114	.038	.320	.075	.253	.074	.205	.066	.153	.076	.111
.574	-.275	-.572	.111	.101	.215	.137	.151	.130	.111	.136	.077	.136	.001
.593	-.203	-.462	.047	.185	-.143	.213	.086	.214	.038	.214	.025	.221	-.064
.632	-.010	-.329	.012	.289	.089	.297	.045	.298	-.006	.489	-.088	.295	-.111
.670	.017	-.172	-.031	.398	.037	.400	-.022	.397	-.032	.594	-.093	.396	-.151
.747	-.050	-.030	-.029	.519	.028	.498	-.032	.501	-.065	.700	.030	.497	-.176
.766	-.114	.128	.015	.620	.030	.604	-.041	.603	-.089	.786	.119	.597	-.137
.785	-.236	.418	.025	.737	.122	.705	.056	.703	.042	.858	.190	.702	-.006
.804	-.190	.564	.056	.831	.223	.785	.157	.784	.155	.919	.205	.786	.074
.823	-.197	.710	.146	.914	.247	.859	.220	.868	.215	.967	.033	.864	.132
.842	-.178	.857	.247	.986	.101	.922	.211	.923	.211			.912	.126
.861	-.138	.976	.265	1.012	-.061	.967	.048	.972	.020			.985	-.174
.881	-.146	1.072	.182			1.000	-.225						
.900	-.142	1.110	.060										
.938	.033												
CN =		.8553		.9215		.8889		.8636		.6907		.4053	
CH =		.1291		-.0049		-.0286		-.0392		-.0307		-.0209	

~~CONFIDENTIAL~~

TABLE II-99 CONFIGURATION 136 M = 0.95 Q = 923 $\alpha = 8.47^\circ$ $C_L = 0.8714$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
UPPER SURFACE													
.019	.083												
.057	-.146												
.076	-.256												
.080	-.189												
.085	-.284	-.658	-.407	-.021	-1.220	.023	-1.178	.025	-1.169	.022	-.710	.018	-.430
.093	-.183	-.565	-.517	.035	-1.318	.068	-1.254	.079	-1.199	.075	-.673	.077	-.481
.113	.047	-.452	-.531	.105	-1.268	.134	-1.219	.133	-1.170	.129	-.685	.129	-.437
.115	.088	-.311	-.583	.178	-1.171	.209	-1.197	.214	-1.108	.201	-.556	.209	-.401
.137	.023	-.023	-.557	.286	-.977	.294	-1.148	.295	-1.002	.294	-.667	.293	-.337
.138	.039	.133	-.465	.396	-.894	.404	-.992	.407	-.789	.397	-.561	.396	-.336
.163	.008	.272	-.368	.514	-.750	.497	-.798	.502	-.674	.495	-.508	.494	-.311
.162	.020	.416	-.290	.618	-.661	.599	-.664	.601	-.592	.594	-.451	.590	-.299
.209	-.115	.565	-.263	.733	-.588	.700	-.553	.698	-.557	.693	-.450	.693	-.294
.247	-.265	.713	-.261	.835	-.528	.782	-.465	.780	-.508	.784	-.456	.777	-.290
.276	-.353	.854	-.316	.919	-.311	.864	-.387	.863	-.465	.856	-.422	.861	-.276
.324	-.414	.980	-.365	.987	-.132	.926	-.342	.923	-.439	.926	-.396	.918	-.261
.361	-.388	1.074	-.405			.975	-.311	.977	-.438	.977	-.386	.972	-.257
.396	-.287	1.122	-.233										
.438	-.173												
.487	-.089												
LOWER SURFACE													
.518	-.128												
.556	-.213	-.658	.095	-.022	.454	.024	.498	.025	.443	.019	.444	.020	.432
.574	-.290	-.615	.124	.038	.336	.075	.288	.074	.243	.066	.195	.076	.141
.593	-.214	-.572	.129	.101	.244	.137	.173	.130	.142	.136	.091	.136	.030
.632	-.001	-.462	.064	.185	.169	.213	.107	.214	.063	.214	.039	.221	-.048
.670	.019	-.329	.031	.289	.119	.297	.066	.298	.023	.489	-.078	.295	-.096
.747	-.052	-.172	-.023	.398	.063	.400	.013	.397	-.020	.594	-.102	.396	-.156
.766	-.112	-.052	-.008	.519	.030	.498	-.022	.501	-.057	.700	.021	.497	-.199
.785	-.239	.128	.037	.620	.037	.604	-.037	.603	-.078	.786	.109	.597	-.159
.804	-.196	.418	.037	.737	.136	.705	.052	.703	.038	.858	.174	.702	-.020
.823	-.202	.564	.086	.831	.232	.785	.154	.784	.147	.919	.188	.786	.059
.842	-.188	.710	.162	.914	.254	.859	.212	.868	.217	.967	.005	.864	.122
.861	-.146	.857	.259	.986	.102	.922	.205	.923	.210			.912	.125
.881	-.146	.976	.266	1.012	-.065	.967	.026	.972	.014			.985	-.187
.900	-.155	1.072	.193			1.000	-.245						
.938	-.028	1.110	.060										
CN =			.9112		1.0093		.9197		.8468		.5793		.3095
CM =			.1422		-.0202		-.0308		-.0421		-.0508		-.0203

TABLE II-100 CONFIGURATION 136 M = 0.95 Q = 923 $\alpha = 9.05^\circ$ $C_L = 0.8953$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
UPPER SURFACE													
.019	.078												
.057	-.150												
.076	-.254												
.080	-.198												
.085	-.278	-.658	-.438	-.021	-1.260	.023	-1.221	.025	-1.074	.022	-.526	.018	-.369
.093	-.187	-.565	-.534	.035	-1.321	.068	-1.290	.079	-1.035	.075	-.533	.077	-.378
.113	.045	-.452	-.550	.105	-1.285	.134	-1.248	.133	-.964	.129	-.492	.129	-.361
.115	.088	-.311	-.596	.178	-1.165	.209	-1.209	.214	-.893	.201	-.508	.209	-.341
.137	.013	-.023	-.570	.286	-1.031	.294	-1.170	.295	-.817	.294	-.524	.293	-.341
.138	.045	.133	-.473	.396	-.943	.404	-.932	.407	-.740	.397	-.472	.396	-.315
.163	.009	.272	-.363	.514	-.894	.497	-.800	.502	-.676	.495	-.459	.494	-.308
.162	.013	.416	-.302	.618	-.788	.599	-.690	.601	-.616	.594	-.442	.590	-.295
.209	-.123	.565	-.274	.733	-.711	.700	-.579	.698	-.576	.693	-.421	.693	-.285
.247	-.265	.713	-.275	.835	-.618	.782	-.521	.780	-.557	.784	-.415	.777	-.285
.276	-.351	.854	-.328	.919	-.340	.864	-.471	.863	-.534	.856	-.396	.861	-.273
.324	-.416	.980	-.384	.987	-.155	.926	-.404	.923	-.512	.926	-.387	.918	-.272
.361	-.393	1.074	-.424			.975	-.401	.977	-.479	.977	-.376	.972	-.264
.396	-.287	1.122	-.243										
.438	-.184												
.487	-.100												
LOWER SURFACE													
.518	-.133												
.556	-.229	-.658	.096	-.022	.461	.024	.512	.025	.446	.019	.465	.020	.433
.574	-.297	-.615	.121	.038	.359	.075	.306	.074	.248	.066	.195	.076	.140
.593	-.246	-.572	.130	.101	.258	.137	.205	.130	.165	.136	.104	.136	.030
.632	-.009	-.462	.081	.185	.181	.213	.130	.214	.083	.214	.052	.221	-.046
.670	.010	-.329	.057	.289	.141	.297	.094	.298	.032	.489	-.094	.295	-.091
.747	-.061	-.172	-.005	.398	.081	.400	.014	.397	-.019	.594	-.114	.396	-.162
.766	-.123	-.052	.015	.519	.049	.498	-.006	.501	-.070	.700	-.001	.497	-.200
.785	-.248	.128	.052	.620	.049	.604	-.033	.603	-.092	.786	.099	.597	-.169
.804	-.195	.418	.064	.737	.140	.705	.036	.703	.021	.858	.168	.702	-.035
.823	-.205	.564	.094	.831	.225	.785	.146	.784	.125	.919	.188	.786	.047
.842	-.190	.710	.172	.914	.249	.859	.203	.868	.197	.967	-.002	.864	.103
.861	-.145	.857	.270	.986	.108	.922	.189	.923	.188			.912	.107
.881	-.153	.976	.279	1.012	-.054	.967	.005	.972	-.014			.985	-.200
.900	-.157	1.072	.203			1.000	-.346						
.938	.025	1.110	.065										
CN =			.9620		1.0903		.9526		.7928		.5050		.2812
CM =			.1504		-.0363		-.0367		-.0564		-.0515		-.0213

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-101 CONFIGURATION 136 M = 0.95 Q = 923 $\alpha = 10.22^\circ$ $C_L = 0.9679$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
.019	.065												
.057	-.156												
.076	-.261												
.080	-.190												
.085	-.280												
.093	-.183												
.113	.044												
.115	.079												
.137	.015												
.138	.032												
.163	.006												
.162	.010												
.209	-.130												
.247	-.273												
.276	-.361												
.324	-.421												
.361	-.383												
.396	-.281												
.438	-.199												
.487	-.132												
.518	-.164												
.556	-.257												
.574	-.330												
.593	-.269												
.632	.004												
.670	.013												
.747	-.080												
.766	-.148												
.785	-.273												
.804	-.208												
.823	-.211												
.842	-.195												
.861	-.159												
.881	-.171												
.900	-.176												
.938	.012												
CN =			1.0806		1.2378		.9959		.6838		.4657		.3067
CM =			.1722		-.0568		-.0719		-.0625		-.0490		-.0212

TABLE II-102 CONFIGURATION 136 M = 0.95 Q = 923 $\alpha = 11.23^\circ$ $C_L = 1.0300$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
.019	.051												
.057	-.159												
.076	-.259												
.080	-.200												
.085	-.253												
.093	-.191												
.113	.045												
.115	.080												
.137	.013												
.138	.029												
.163	.008												
.162	-.004												
.209	-.136												
.247	-.279												
.276	-.368												
.324	-.421												
.361	-.388												
.396	-.272												
.438	-.204												
.487	-.153												
.518	-.186												
.556	-.281												
.574	-.346												
.593	-.320												
.632	.009												
.670	.015												
.747	-.093												
.766	-.159												
.785	-.298												
.804	-.212												
.823	-.214												
.842	-.199												
.861	-.165												
.881	-.174												
.900	-.191												
.938	-.007												
CN =			1.1771		1.3550		1.0345		.6318		.4996		.3270
CM =			.1882		-.0832		-.0791		-.0667		-.0535		-.0193

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-103

CONFIGURATION 140

M = 0.95

Q = 923

$\alpha = 0.03^\circ$

$C_L = 0.0015$

$\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
UPPER SURFACE						
.019 .218						
.057 -.051						
.076 -.210						
.080 -.137	-.658 -.073	-.021 -.032	.023 -.203	.025 -.062	.022 -.140	.018 .219
.085 -.126	-.565 -.179	.035 -.250	.068 -.323	.079 -.168	.075 -.070	.077 -.072
.093 -.254	-.452 -.255	.105 -.225	.134 -.311	.133 -.158	.129 -.105	.129 -.084
.113 .010	-.311 -.375	.178 -.248	.209 -.284	.214 -.159	.201 -.135	.209 -.127
.115 .006	-.023 -.390	.286 -.250	.294 -.217	.295 -.145	.294 -.124	.293 -.137
.137 .092	.133 -.268	.396 -.307	.404 -.189	.407 -.153	.397 -.118	.396 -.187
.138 .122	.272 -.072	.514 -.227	.497 -.221	.502 -.173	.495 -.168	.494 -.226
.163 .085	.416 -.075	.618 -.170	.599 -.190	.601 -.222	.594 -.198	.590 -.275
.162 -.161	.565 -.073	.733 -.188	.700 -.233	.698 -.274	.693 -.258	.693 -.235
.209 -.044	.713 -.069	.835 -.164	.782 -.249	.780 -.306	.784 -.335	.777 -.133
.247 -.158	.854 -.091	.919 -.096	.864 -.247	.863 -.280	.856 -.326	.861 -.146
.276 -.256	.980 -.081	.987 .035	.926 -.135	.923 -.157	.926 -.141	.918 -.099
.324 -.384	1.074 -.033		.975 .005	.977 -.007	.977 .007	.972 .038
.361 -.332	1.122 .015					
.396 -.134						
.487 .039						
.518 .029						
LOWER SURFACE						
.556 .036	-.658 .013	-.022 .095	.024 -.243	.025 -.514	.019 -.561	.020 -.552
.574 .041	-.615 -.029	.038 -.217	.075 -.487	.074 -.680	.066 -.814	.076 -.768
.593 .026	-.572 -.049	.101 -.284	.137 -.526	.130 -.562	.136 -.643	.136 -.730
.670 .030	-.462 -.148	.185 -.365	.213 -.505	.214 -.328	.214 -.332	.221 -.556
.747 -.055	-.329 -.175	.289 -.349	.297 -.406	.298 -.240	.292 -.240	.295 -.303
.785 -.277	-.172 -.278	.398 -.384	.400 -.212	.397 -.274	.403 -.241	.396 -.287
.804 -.200	-.030 -.343	.519 -.286	.498 -.196	.501 -.189	.489 -.191	.497 -.075
.823 -.218	.128 -.277	.620 -.094	.604 -.127	.603 -.116	.594 -.127	.597 .008
.842 -.156	.418 -.222	.737 .076	.705 .122	.703 .058	.700 .034	.702 .121
.861 -.081	.564 -.231	.831 .139	.785 .152	.784 .130	.786 .106	.786 .176
.900 -.046	.710 -.068	.914 .208	.859 .196	.868 .175	.858 .142	.864 .199
.938 .070	.857 .096	.986 .167	.967 .161	.923 .186	.919 .167	.912 .211
	.976 .169	1.012 .096	1.000 .063	.972 .139	.967 .133	.985 .121
	1.072 .154					
	1.110 .102					
CN =	.0773	.0621	.0658	.0197	-.0269	-.0360
CM =	.0162	-.0438	-.0675	-.0830	-.0907	-.0939

TABLE II-104

CONFIGURATION 140

M = 0.95

Q = 923

$\alpha = 1.45^\circ$

$C_L = 0.1845$

$\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
UPPER SURFACE						
.019 .196						
.057 -.066						
.076 -.226						
.080 -.148	-.658 -.103	-.021 -.168	.023 -.433	.025 -.396	.022 -.124	.018 .003
.085 -.134	-.565 -.218	.035 -.387	.068 -.537	.079 -.486	.075 -.296	.077 -.275
.093 -.240	-.452 -.288	.105 -.326	.134 -.472	.133 -.427	.129 -.271	.129 -.231
.113 .009	-.311 -.416	.178 -.355	.209 -.432	.214 -.419	.201 -.277	.209 -.218
.115 .002	-.023 -.427	.286 -.352	.294 -.424	.295 -.080	.294 -.235	.293 -.220
.137 .084	.133 -.338	.396 -.369	.404 -.331	.407 -.193	.397 -.230	.396 -.241
.138 .124	.272 -.076	.514 -.320	.497 -.302	.502 -.252	.495 -.237	.494 -.256
.163 .064	.416 -.092	.618 -.302	.599 -.193	.601 -.291	.594 -.275	.590 -.283
.162 .147	.565 -.098	.733 -.286	.700 -.186	.698 -.354	.693 -.301	.693 -.267
.209 -.068	.713 -.124	.835 -.156	.782 -.261	.780 -.417	.784 -.340	.777 -.179
.247 -.175	.854 -.154	.919 -.053	.864 -.286	.863 -.247	.856 -.414	.861 -.166
.276 -.276	.980 -.135	.987 .044	.926 -.164	.923 -.127	.926 -.169	.918 -.121
.324 -.397	1.074 -.065		.975 -.006	.977 -.022	.977 -.027	.972 .028
.361 -.347	1.122 .010					
.396 -.246						
.487 .012						
.518 -.012						
LOWER SURFACE						
.556 -.008	-.658 .037	-.022 .224	.024 -.032	.025 -.127	.019 -.197	.020 -.163
.574 .024	-.615 .003	.038 -.069	.075 -.273	.074 -.293	.066 -.410	.076 -.458
.593 .020	-.572 -.017	.101 -.170	.137 -.289	.130 -.293	.136 -.315	.136 -.412
.670 .030	-.462 -.097	.185 -.220	.213 -.280	.214 -.241	.214 -.279	.221 -.334
.747 -.058	-.329 -.154	.289 -.235	.297 -.257	.298 -.237	.292 -.197	.295 -.292
.785 -.278	-.172 -.246	.398 -.231	.400 -.204	.397 -.197	.403 -.197	.396 -.213
.804 -.199	-.030 -.322	.519 -.193	.498 -.173	.501 -.152	.489 -.153	.497 -.082
.823 -.216	.128 -.190	.620 -.092	.604 -.102	.603 -.109	.594 -.108	.597 -.017
.842 -.160	.418 -.185	.737 .100	.705 .129	.703 .071	.700 .061	.702 .126
.861 -.092	.564 -.146	.831 .184	.785 .170	.784 .175	.786 .152	.786 .203
.900 -.063	.710 -.004	.914 .235	.859 .216	.868 .226	.858 .202	.864 .246
.938 .064	.857 .137	.986 .160	.967 .162	.923 .238	.919 .222	.912 .258
	.976 .195	1.012 .077	1.000 .051	.972 .151	.967 .152	.985 .116
	1.072 .177					
	1.110 .105					
CN =	.2277	.2291	.2362	.2086	.1696	.1206
CM =	.0299	-.0383	-.0486	-.0640	-.0793	-.0745

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-105 CONFIGURATION 140 M = 0.95 Q = 923 $\alpha = 2.78^\circ$ $C_L = 0.3478$ $\beta = 0^\circ$											
STA .044		STA .133		STA .307		STA .480		STA .653		STA .804	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.193										
.057	-.080										
.076	-.241										
.080	-.149	-.658	-.159	-.021	-.671	.023	-.627	.025	-.646	.022	-.513
.085	-.149	-.565	-.268	.035	-.429	.068	-.797	.079	-.737	.075	-.742
.093	-.234	-.452	-.329	.105	-.428	.134	-.690	.133	-.733	.129	-.667
.113	.001	-.311	-.451	.178	-.436	.209	-.639	.214	-.680	.201	-.600
.115	-.005	-.023	-.451	.286	-.436	.294	-.493	.295	-.603	.294	-.134
.137	.077	.133	-.355	.396	-.436	.404	-.465	.407	-.364	.397	-.126
.138	.125	.272	-.105	.514	-.392	.497	-.406	.502	-.231	.495	-.219
.163	.048	.416	-.108	.618	-.352	.599	-.403	.601	-.136	.594	-.281
.162	.142	.565	-.133	.733	-.368	.700	-.453	.698	-.195	.693	-.373
.209	-.088	.713	-.172	.835	-.291	.782	-.249	.780	-.321	.784	-.482
.247	-.185	.854	-.203	.919	-.082	.864	-.147	.863	-.327	.856	-.530
.276	-.293	.980	-.234	.987	.006	.926	-.055	.923	-.176	.926	-.143
.324	-.409	1.074	-.145			.975	.009	.977	-.029	.977	-.033
.361	-.360	1.122	-.036								
.396	-.243										
.487	-.009										
.518	-.067										
.556	-.107	-.658	.050	-.022	.330	.024	.137	.025	.051	.019	.085
.574	-.025	-.615	.031	.038	.024	.075	-.094	.074	-.139	.066	-.146
.593	.005	-.572	.018	.101	-.063	.137	-.183	.130	-.176	.136	-.144
.670	.036	-.462	-.068	.185	-.128	.213	-.187	.214	-.176	.214	-.123
.747	-.052	-.329	-.127	.289	-.130	.297	-.192	.298	-.146	.292	-.118
.785	-.270	-.172	-.214	.398	-.167	.400	-.163	.397	-.125	.403	-.109
.804	-.193	-.030	-.278	.519	-.149	.498	-.150	.501	-.108	.489	-.101
.823	-.214	.128	-.167	.620	-.077	.604	-.097	.603	-.072	.594	-.075
.842	-.165	.418	-.129	.737	.103	.705	.118	.703	.093	.700	.071
.861	-.102	.564	-.079	.831	.194	.785	.184	.784	.200	.786	.166
.900	-.079	.710	.040	.914	.240	.859	.235	.868	.250	.858	.219
.938	.060	.857	.162	.986	.145	.967	.173	.923	.265	.919	.235
		.976	.218	1.012	.021	1.000	.057	.972	.162	.967	.147
		1.072	.174								
		1.110	.084								
CN =			.3612		.3790		.3990		.3768		.3453
CM =			.0387		-.0345		-.0361		-.0368		-.0579
											.2446
											-.0469

TABLE II-106 CONFIGURATION 140 M = 0.95 Q = 923 $\alpha = 4.09^\circ$ $C_L = 0.5191$ $\beta = 0^\circ$											
STA .044		STA .133		STA .307		STA .480		STA .653		STA .804	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.159										
.057	-.093										
.076	-.251										
.080	-.157	-.658	-.222	-.021	-.900	.023	-.816	.025	-.779	.022	-.672
.085	-.170	-.565	-.297	.035	-.995	.068	-.947	.079	-.859	.075	-.848
.093	-.267	-.452	-.357	.105	-.967	.134	-.907	.133	-.869	.129	-.836
.113	-.000	-.311	-.479	.178	-.277	.209	-.825	.214	-.854	.201	-.832
.115	-.012	-.023	-.478	.286	-.411	.294	-.796	.295	-.805	.294	-.794
.137	.070	.133	-.400	.396	-.477	.404	-.531	.407	-.762	.397	-.780
.138	.122	.272	-.261	.514	-.417	.497	-.502	.502	-.577	.495	-.733
.163	.040	.416	-.109	.618	-.389	.599	-.471	.601	-.444	.594	-.645
.162	.129	.565	-.124	.733	-.413	.700	-.504	.698	-.402	.693	-.400
.209	-.091	.713	-.172	.835	-.387	.782	-.363	.780	-.219	.784	-.204
.247	-.201	.854	-.217	.919	-.142	.864	-.149	.863	-.166	.856	-.214
.276	-.303	.980	-.265	.987	-.030	.926	-.062	.923	-.081	.926	-.083
.324	-.423	1.074	-.232			.975	-.026	.977	.005	.977	.022
.361	-.377	1.122	-.104								
.396	-.295										
.487	-.006										
.518	-.053										
.556	-.147	-.658	.060	-.022	.373	.024	.266	.025	.162	.019	.198
.574	-.142	-.615	.053	.038	.132	.075	.012	.074	-.042	.066	-.050
.593	-.041	-.572	.062	.101	.026	.137	-.073	.130	-.077	.136	-.065
.670	.032	-.462	-.039	.185	-.047	.213	-.114	.214	-.104	.214	-.081
.747	-.045	-.329	-.100	.289	-.059	.297	-.108	.298	-.097	.292	-.071
.785	-.251	-.172	-.192	.398	-.095	.400	-.143	.397	-.098	.403	-.073
.804	-.194	-.030	-.223	.519	-.108	.498	-.126	.501	-.089	.489	-.055
.823	-.208	.128	-.136	.620	-.061	.604	-.088	.603	-.062	.594	-.046
.842	-.173	.418	-.093	.737	.115	.705	.124	.703	.101	.700	.106
.861	-.113	.564	-.041	.831	.198	.785	.177	.784	.212	.786	.197
.900	-.100	.710	.064	.914	.245	.859	.235	.868	.266	.858	.248
.938	.054	.857	.187	.986	.103	.967	.146	.923	.272	.919	.266
		.976	.222	1.012	-.020	1.000	-.004	.972	.173	.967	.187
		1.072	.171								
		1.110	.070								
CN =			.4755		.5230		.5516		.5670		.5830
CM =			.0595		-.0191		-.0271		-.0323		-.0352
											.4294
											-.0059

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-107				CONFIGURATION 140				M = 0.95		Q = 923		$\alpha = 5.39^\circ$		$C_L = 0.6630$		$\beta = 0^\circ$	
STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933					
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP				
UPPER SURFACE																	
.019	.147																
.057	-.109																
.076	-.261																
.080	-.165	-.658	-.270	-.021	-1.004	.023	-.940	.025	-.918	.022	-.808	.018	-.781				
.085	-.198	-.565	-.346	.035	-1.135	.068	-1.046	.079	-.981	.075	-.961	.077	-.928				
.093	-.277	-.452	-.397	.105	-1.102	.134	-1.042	.133	-.981	.129	-.936	.129	-.947				
.113	-.001	-.311	-.508	.178	-.881	.209	-.975	.214	-.952	.201	-.929	.209	-.920				
.115	-.012	-.023	-.506	.286	-.334	.294	-.941	.295	-.918	.294	-.893	.293	-.877				
.137	.066	.133	-.410	.396	-.442	.404	-.850	.407	-.905	.397	-.877	.396	-.848				
.138	.123	.272	-.305	.514	-.444	.497	-.528	.502	-.878	.495	-.866	.494	-.482				
.163	.036	.416	-.168	.618	-.420	.599	-.500	.601	-.862	.594	-.423	.590	-.248				
.162	.123	.565	-.153	.733	-.447	.700	-.530	.698	-.487	.693	-.281	.693	-.094				
.209	-.106	.713	-.188	.835	-.422	.782	-.489	.780	-.377	.784	-.243	.777	-.065				
.247	-.210	.854	-.240	.919	-.170	.864	-.176	.863	-.186	.856	-.230	.861	-.030				
.276	-.312	.980	-.293	.987	-.057	.926	-.099	.923	-.146	.926	-.203	.918	-.020				
.324	-.429	1.074	-.284			.975	-.055	.977	-.060	.977	-.170	.972	-.028				
.361	-.385	1.122	-.147														
.396	-.299																
.487	-.013																
.518	-.064																
LOWER SURFACE																	
.556	-.173	-.658	.082	-.022	.404	.024	.367	.025	.278	.019	.290	.020	.312				
.574	-.215	-.615	.083	.038	.202	.075	.115	.074	.060	.066	.035	.076	.015				
.593	-.083	-.572	.077	.101	.094	.137	.014	.130	.003	.136	-.018	.136	-.078				
.670	.029	-.462	-.011	.185	.026	.213	-.027	.214	-.046	.214	-.025	.221	-.109				
.747	-.046	-.329	-.065	.289	.009	.297	-.042	.298	-.043	.292	-.040	.295	-.128				
.785	-.242	-.172	-.149	.398	-.049	.400	-.085	.397	-.063	.403	-.068	.396	-.146				
.804	-.194	-.030	-.156	.519	-.062	.498	-.093	.501	-.070	.489	-.062	.497	-.146				
.823	-.204	.128	-.083	.620	-.031	.604	-.071	.603	-.058	.594	-.072	.597	-.094				
.842	-.173	.418	-.037	.737	.111	.705	.119	.703	.090	.700	.055	.702	.063				
.861	-.124	.564	-.005	.831	.209	.785	.183	.784	.202	.786	.145	.786	.134				
.900	-.119	.710	.096	.914	.244	.859	.243	.868	.257	.858	.209	.864	.197				
.938	.045	.857	.209	.986	.099	.967	.126	.923	.261	.919	.217	.912	.201				
		.976	.245	1.012	-.046	1.000	-.042	.972	.130	.967	.090	.985	.055				
		1.072	.176														
		1.110	.067														
CN =			.6034		.6442		.6945		.7484		.6472		.4800				
CN =			.0809		-.0071		-.0253		-.0458		-.0255		.0164				

TABLE II-108				CONFIGURATION 140				M = 0.95		Q = 923		$\alpha = 6.66^\circ$		$C_L = 0.7812$		$\beta = 0^\circ$	
STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933					
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP				
.019	.134																
.057	-.127																
.076	-.273																
UPPER SURFACE																	
.080	-.172	-.658	-.327	-.021	-1.092	.023	-1.056	.025	-1.017	.022	-.934	.018	-.897				
.085	-.217	-.565	-.399	.035	-1.236	.068	-1.147	.079	-1.074	.075	-1.049	.077	-.986				
.093	-.279	-.452	-.432	.105	-1.208	.134	-1.119	.133	-1.068	.129	-1.036	.129	-.966				
.113	.004	-.311	-.536	.178	-1.131	.209	-1.054	.214	-1.051	.201	-1.025	.209	-.899				
.115	-.012	-.023	-.519	.286	-.771	.294	-1.045	.295	-1.014	.294	-.974	.293	-.861				
.137	.063	.133	-.423	.396	-.538	.404	-.915	.407	-.993	.397	-.946	.396	-.602				
.138	.127	.272	-.326	.514	-.442	.497	-.728	.502	-.989	.495	-.716	.494	-.425				
.163	.023	.416	-.204	.618	-.441	.599	-.624	.601	-.728	.594	-.431	.590	-.337				
.162	.112	.565	-.184	.733	-.468	.700	-.489	.698	-.494	.693	-.319	.693	-.266				
.209	-.122	.713	-.222	.835	-.461	.782	-.360	.780	-.467	.784	-.266	.777	-.236				
.247	-.230	.854	-.274	.919	-.239	.864	-.239	.863	-.435	.856	-.221	.861	-.146				
.276	-.319	.980	-.327	.987	-.091	.926	-.216	.923	-.391	.926	-.222	.918	-.147				
.324	-.440	1.074	-.345			.975	-.167	.977	-.347	.977	-.193	.972	-.127				
.361	-.392	1.122	-.185														
.396	-.306																
.487	-.031																
.518	-.084																
LOWER SURFACE																	
.556	-.196	-.658	.089	-.022	.443	.024	.429	.025	.345	.019	.356	.020	.348				
.574	-.255	-.615	.115	.038	.262	.075	.194	.074	.134	.066	.097	.076	.054				
.593	-.145	-.572	.097	.101	.159	.137	.093	.130	.049	.136	.035	.136	-.044				
.670	.026	-.462	.030	.185	.097	.213	.037	.214	.003	.214	-.005	.221	-.084				
.747	-.043	-.329	-.025	.289	.057	.297	.009	.298	.005	.292	-.014	.295	-.109				
.785	-.234	-.172	-.101	.398	.004	.400	-.049	.397	-.038	.403	-.068	.396	-.150				
.804	-.191	-.030	-.106	.519	-.029	.498	-.063	.501	-.064	.489	-.076	.497	-.170				
.823	-.197	.128	-.040	.620	-.001	.604	-.055	.603	-.070	.594	-.100	.597	-.124				
.842	-.176	.418	-.005	.737	.139	.705	.114	.703	.072	.700	.026	.702	.025				
.861	-.128	.564	.028	.831	.221	.785	.175	.784	.170	.786	.124	.786	.110				
.900	-.136	.710	.123	.914	.251	.859	.237	.868	.223	.858	.186	.864	.167				
.938	.041	.857	.231	.986	.091	.967	.083	.923	.215	.919	.201	.912	.176				
		.976	.257	1.012	-.057	1.000	-.152	.972	.033	.967	.061	.985	.022				
		1.072	.180														
		1.110	.059														
CN =		.7172		.7981		.7941		.8495		.6820		.5099					
CN =		.1008		-.0018		-.0232		-.0570		-.0126		.0040					

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-109 CONFIGURATION 140 M = 0.95 Q = 923 $\alpha = 7.90^\circ$ $C_L = 0.8380$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.120												
.057	-.135												
.076	-.277												
.080	-.168	-.658	-.395	-.021	-1.176	.023	-1.144	.025	-1.120	.022	-.890	.018	-.443
.085	-.213	-.565	-.469	.035	-1.270	.068	-1.228	.079	-1.159	.075	-.928	.077	-.557
.093	-.279	-.452	-.472	.105	-1.213	.134	-1.166	.133	-1.132	.129	-.941	.129	-.448
.113	.001	-.311	-.567	.178	-1.075	.209	-1.152	.214	-1.100	.201	-.776	.209	-.536
.115	-.017	-.023	-.541	.286	-.927	.294	-1.107	.295	-1.007	.294	-.654	.293	-.387
.137	.057	.133	-.433	.396	-.826	.404	-.932	.407	-.746	.397	-.625	.396	-.417
.138	.124	.272	-.336	.514	-.692	.497	-.745	.502	-.694	.495	-.543	.494	-.396
.163	.023	.416	-.246	.618	-.611	.599	-.605	.601	-.572	.594	-.476	.590	-.349
.162	.108	.565	-.222	.733	-.511	.700	-.498	.698	-.490	.693	-.428	.693	-.330
.209	-.131	.713	-.254	.835	-.510	.782	-.409	.780	-.454	.784	-.413	.777	-.295
.247	-.235	.854	-.309	.919	-.300	.864	-.339	.863	-.410	.856	-.381	.861	-.278
.276	-.330	.980	-.364	.987	-.129	.926	-.293	.923	-.366	.926	-.390	.918	-.271
.324	-.439	1.074	-.398			.975	-.251	.977	-.362	.977	-.338	.972	-.264
.361	-.390	1.122	-.212										
.396	-.291												
.487	-.056												
.518	-.111												
.556	-.227	-.658	.097	-.022	.468	.024	.486	.025	.417	.019	.419	.020	.399
.574	-.285	-.615	.124	.038	.335	.075	.275	.074	.212	.066	.165	.076	.106
.593	-.207	-.572	.142	.101	.235	.137	.152	.130	.124	.136	.087	.136	-.001
.670	.027	-.462	.051	.185	.162	.213	.093	.214	.048	.214	.034	.221	-.056
.747	-.042	-.329	.006	.289	.108	.297	.057	.298	.045	.292	.026	.295	-.080
.785	-.233	-.172	-.023	.398	.051	.400	-.008	.397	-.028	.403	-.055	.396	-.150
.804	-.192	-.030	-.045	.519	.004	.498	-.035	.501	-.062	.489	-.076	.497	-.186
.823	-.200	.128	-.009	.620	.027	.604	-.042	.603	-.086	.594	-.109	.597	-.156
.842	-.176	.418	.038	.737	.158	.705	.118	.703	.031	.700	.004	.702	-.009
.861	-.135	.564	.071	.831	.231	.785	.164	.784	.142	.786	.103	.786	.075
.900	-.148	.710	.157	.914	.266	.859	.222	.868	.203	.858	.173	.864	.130
.938	.031	.857	.255	.986	.102	.967	.029	.923	.198	.919	.182	.912	.137
		.976	.271	1.012	-.050	1.000	-.268	.972	-.008	.967	.009	.985	-.129
		1.072	.185										
		1.110	.065										
CN =			.8423		.9515		.8642		.8031		.6306		.3606
CM =			.1236		-.0179		-.0225		-.0318		-.0351		-.0270

TABLE II-110 CONFIGURATION 140 M = 0.95 Q = 923 $\alpha = 0.14^\circ$ $C_L = 0.8750$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.106												
.057	-.144												
.076	-.280												
.080	-.172	-.658	-.451	-.021	-1.245	.023	-1.200	.025	-.822	.022	-.477	.018	-.362
.085	-.186	-.565	-.505	.035	-1.248	.068	-1.197	.079	-.821	.075	-.421	.077	-.368
.093	-.277	-.452	-.507	.105	-1.199	.134	-1.205	.133	-.778	.129	-.435	.129	-.357
.113	.002	-.311	-.601	.178	-1.123	.209	-1.123	.214	-.778	.201	-.402	.209	-.327
.115	-.024	-.023	-.556	.286	-1.075	.294	-.996	.295	-.709	.294	-.409	.293	-.319
.137	.061	.133	-.448	.396	-1.007	.404	-.827	.407	-.657	.397	-.384	.396	-.318
.138	.122	.272	-.339	.514	-1.004	.497	-.742	.502	-.618	.495	-.391	.494	-.302
.163	.015	.416	-.268	.618	-.955	.599	-.649	.601	-.581	.594	-.390	.590	-.292
.162	.093	.565	-.253	.733	-.724	.700	-.597	.698	-.540	.693	-.389	.693	-.287
.209	-.142	.713	-.280	.835	-.596	.782	-.513	.780	-.518	.784	-.384	.777	-.278
.247	-.243	.854	-.339	.919	-.225	.864	-.458	.863	-.506	.856	-.368	.861	-.272
.276	-.339	.980	-.395	.987	-.142	.926	-.473	.923	-.495	.926	-.360	.918	-.272
.324	-.443	1.074	-.417			.975	-.433	.977	-.453	.977	-.353	.972	-.273
.361	-.385	1.122	-.239										
.396	-.292												
.487	-.094												
.518	-.141												
.556	-.266	-.658	.100	-.022	.478	.024	.543	.025	.468	.019	.447	.020	.419
.574	-.324	-.615	.138	.038	.381	.075	.338	.074	.270	.066	.221	.076	.141
.593	-.243	-.572	.158	.101	.288	.137	.214	.130	.170	.136	.114	.136	.018
.670	.027	-.462	.097	.185	.222	.213	.147	.214	.107	.214	.061	.221	-.032
.747	-.057	-.329	.045	.289	.163	.297	.107	.298	.093	.292	.046	.295	-.058
.785	-.264	-.172	-.007	.398	.097	.400	.042	.397	-.007	.403	-.060	.396	-.148
.804	-.199	-.030	-.002	.519	.057	.498	.005	.501	-.052	.489	-.087	.497	-.216
.823	-.208	.128	.038	.620	.055	.604	-.028	.603	-.097	.594	-.118	.597	-.173
.842	-.190	.418	.075	.737	.176	.705	.113	.703	.013	.700	-.009	.702	-.040
.861	-.147	.564	.106	.831	.256	.785	.144	.784	.130	.786	.087	.786	.043
.900	-.153	.710	.183	.914	.279	.859	.208	.868	.193	.858	.162	.864	.107
.938	.026	.857	.286	.986	.120	.967	-.025	.923	.180	.919	.162	.912	.106
		.976	.293	1.012	-.028	1.000	-.509	.972	-.036	.967	-.003	.985	-.156
		1.072	.204										
		1.110	.069										
CN =			.9467		1.1310		.9156		.7178		.4437		.2801
CM =			.1402		-.0442		-.0387		-.0590		-.0485		-.0230

~~CONFIDENTIAL~~

TABLE II-111 CONFIGURATION 140 M = 0.95 Q = 923 $\alpha = 10.34^\circ$ $C_L = 0.9625$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .480 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
.019 .094						
.057 -.150						
.076 -.284						
.080 -.172	-.658 -.500	-.021 -1.285	.023 -1.140	.025 -.654	.022 -.417	.018 -.383
.085 -.220	-.565 -.579	.035 -1.236	.068 -1.139	.079 -.611	.075 -.419	.077 -.395
.093 -.284	-.452 -.540	.105 -1.229	.134 -1.123	.133 -.609	.129 -.408	.129 -.363
.113 .008	-.311 -.624	.178 -1.181	.209 -1.042	.214 -.588	.201 -.407	.209 -.353
.115 -.026	-.023 -.573	.286 -1.154	.294 -.978	.295 -.557	.294 -.411	.293 -.347
.137 .060	.133 -.467	.396 -1.158	.404 -.907	.407 -.533	.397 -.408	.396 -.340
.138 .126	.272 -.382	.514 -1.137	.497 -.857	.502 -.513	.495 -.405	.494 -.335
.163 .013	.416 -.322	.618 -1.143	.599 -.798	.601 -.496	.594 -.385	.590 -.325
.162 .084	.565 -.288	.733 -1.031	.700 -.761	.698 -.494	.693 -.379	.693 -.313
.209 -.144	.713 -.309	.835 -.718	.782 -.721	.780 -.502	.784 -.385	.777 -.309
.247 -.253	.854 -.360	.919 -.236	.864 -.692	.863 -.484	.856 -.384	.861 -.306
.276 -.345	.980 -.413	.987 -.078	.926 -.642	.923 -.476	.926 -.368	.918 -.299
.324 -.440	1.074 -.466		.975 -.575	.977 -.461	.977 -.360	.972 -.297
.361 -.381	1.122 -.262					
.396 -.295						
.487 -.113						
.518 -.168						
.556 -.277	-.658 .107	-.022 .486	.024 .568	.025 .498	.019 .470	.020 .449
.574 -.338	-.615 .165	.038 .422	.075 .394	.074 .313	.066 .242	.076 .185
.593 -.306	-.572 .169	.101 .345	.137 .269	.130 .212	.136 .154	.136 .063
.670 .031	-.462 .127	.185 .254	.213 .192	.214 .133	.214 .083	.221 -.009
.747 -.071	-.329 .030	.289 .209	.297 .150	.298 .116	.292 .052	.295 -.045
.785 -.275	-.172 .045	.398 .132	.400 .074	.397 .020	.403 -.034	.396 -.132
.804 -.201	-.030 .039	.519 .097	.498 .032	.501 -.039	.489 -.064	.497 -.212
.823 -.210	.128 .087	.620 .083	.604 -.008	.603 -.089	.594 -.109	.597 -.194
.842 -.194	.418 .105	.737 .192	.705 .105	.703 .017	.700 -.005	.702 -.065
.861 -.155	.564 .133	.831 .269	.785 .154	.784 .123	.786 .090	.786 .016
.900 -.172	.710 .216	.914 .288	.859 .204	.868 .189	.858 .155	.864 .070
.938 .013	.857 .316	.986 .121	.967 -.037	.923 .178	.919 .167	.912 .075
	.976 .313	1.012 -.027	1.000 -.574	.972 -.043	.967 -.012	.985 -.198
	1.072 .216					
	1.110 .079					
CN =	1.0565	1.2724	1.0180	.6321	.4570	.3057
CM =	.1553	-.0674	-.0775	-.0605	-.0497	-.0199

TABLE II-112 CONFIGURATION 136 M = 0.95 Q = 923 $\alpha = 0.05^\circ$ $C_L = 0.0084$ $\beta = -2.50^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .480 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
.019 .090						
.057 -.146						
.076 -.246						
.080 -.231	-.658 -.068	-.021 .017	.023 -.166	.025 -.030	.022 .115	.018 .188
.085 -.226	-.565 -.189	.035 -.177	.068 -.277	.079 -.156	.075 -.104	.077 -.085
.093 -.141	-.452 -.236	.105 -.201	.134 -.270	.133 -.153	.129 -.099	.129 -.084
.113 .051	-.311 -.306	.178 -.218	.209 -.223	.214 -.141	.201 -.129	.209 -.122
.115 .085	-.023 -.392	.286 -.201	.294 -.171	.295 -.129	.294 -.102	.293 -.150
.137 .057	.133 -.227	.396 -.255	.404 -.191	.407 -.148	.397 -.127	.396 -.187
.138 .054	.272 -.050	.514 -.190	.497 -.146	.502 -.170	.495 -.160	.494 -.241
.163 .040	.416 -.046	.618 -.147	.599 -.171	.601 -.221	.594 -.189	.590 -.255
.162 .035	.565 -.069	.733 -.180	.700 -.201	.698 -.233	.693 -.229	.693 -.149
.209 -.035	.713 -.060	.835 -.139	.782 -.207	.780 -.260	.784 -.303	.777 -.169
.247 -.176	.854 -.091	.919 -.079	.864 -.218	.863 -.261	.856 -.304	.861 -.149
.276 -.265	.980 -.081	.987 .029	.926 -.136	.923 -.152	.926 -.165	.918 -.100
.324 -.333	1.074 -.039		.975 -.008	.977 -.011	.977 -.017	.972 .035
.361 -.327	1.122 .005					
.396 -.162						
.438 -.012						
.487 .036						
.518 .031	-.658 .037	-.022 .161	.024 -.178	.025 -.445	.019 -.511	.020 -.496
.556 .026	-.615 .010	.038 -.130	.075 -.432	.074 -.673	.066 -.769	.076 -.765
.574 .026	-.572 -.029	.101 -.242	.137 -.318	.130 -.668	.136 -.765	.136 -.825
.593 .025	-.462 -.138	.185 -.334	.213 -.495	.214 -.606	.214 -.705	.221 -.812
.632 .021	-.329 -.165	.289 -.338	.297 -.457	.298 -.232	.499 -.205	.295 -.499
.670 -.001	-.172 -.239	.398 -.393	.400 -.298	.397 -.280	.584 -.124	.396 -.219
.747 -.107	-.030 -.295	.519 -.315	.498 -.181	.501 -.207	.700 .059	.497 -.060
.766 .166	.128 -.259	.620 -.095	.604 -.118	.603 -.125	.786 .158	.597 .022
.785 -.333	.418 -.203	.737 .073	.705 .066	.703 .073	.858 .188	.702 .141
.804 -.331	.564 -.240	.831 .146	.785 .164	.784 .168	.919 .221	.786 .210
.823 -.267	.710 -.060	.914 .200	.859 .211	.868 .241	.967 .166	.864 .257
.842 -.240	.857 .099	.986 .165	.922 .232	.923 .235		.912 .265
.861 -.145	.976 .174	1.012 .094	.967 .176	.972 .167		.985 .117
.881 -.141	1.072 .169		1.000 .071			
.900 -.123	1.110 .107					
.938 .051						

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-113 CONFIGURATION 136 M = 0.95 Q = 923 $\alpha = 2.82^\circ$ $C_L = 0.3594$ $\beta = -2.50^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 .057						
.057 -.165						
.076 -.278						
.080 -.228	-.658 -.142	-.021 -.637	.023 -.702	.025 -.744	.022 -.598	.018 -.486
.085 -.269	-.565 -.248	.035 -.396	.068 -.842	.079 -.783	.075 -.588	.077 -.522
.093 -.133	-.452 -.312	.105 -.399	.134 -.653	.133 -.710	.129 -.566	.129 -.455
.113 .045	-.311 -.382	.178 -.388	.209 -.493	.214 -.668	.201 -.279	.209 -.376
.115 .089	-.023 -.434	.286 -.362	.294 -.414	.295 -.293	.294 -.234	.293 -.330
.137 .037	.133 -.350	.396 -.406	.404 -.398	.407 -.137	.397 -.292	.396 -.352
.138 .051	.272 -.133	.514 -.331	.497 -.364	.502 -.136	.495 -.315	.494 -.351
.163 .019	.416 -.075	.618 -.322	.599 -.381	.601 -.219	.594 -.350	.590 -.180
.162 .032	.565 -.116	.733 -.344	.700 -.187	.698 -.277	.693 -.406	.693 -.134
.209 -.055	.713 -.134	.835 -.245	.782 -.158	.780 -.352	.784 -.395	.777 -.220
.247 -.204	.854 -.178	.919 -.071	.864 -.163	.863 -.311	.856 -.258	.861 -.188
.276 -.291	.980 -.215	.987 .013	.926 -.084	.923 -.167	.926 -.133	.918 -.135
.324 -.364	1.074 -.166		.975 -.003	.977 -.043	.977 -.043	.972 .016
.361 -.350	1.122 -.042					
.396 -.266						
.438 -.042						
.487 -.010						
.518 -.041	-.658 .073	-.022 .329	.024 .165	.025 .005	.019 .049	.020 .140
.556 -.105	-.615 .061	.038 .050	.075 -.101	.074 -.181	.066 -.230	.076 -.226
.574 -.070	-.572 .030	.101 -.059	.137 -.179	.130 -.224	.136 -.220	.136 -.278
.593 -.003	-.462 -.058	.185 -.125	.213 -.192	.214 -.197	.214 -.176	.221 -.253
.632 .020	-.329 -.097	.289 -.135	.297 -.189	.298 -.192	.489 -.119	.295 -.237
.670 .001	-.172 -.188	.398 -.164	.400 -.182	.397 -.140	.594 -.081	.396 -.182
.747 -.101	-.030 -.188	.519 -.135	.498 -.153	.501 -.131	.700 .103	.497 -.091
.766 -.158	.128 -.138	.620 -.078	.604 -.099	.603 -.086	.786 .213	.597 -.011
.785 -.322	.418 -.135	.737 .087	.705 .070	.703 .110	.858 .271	.702 .145
.804 -.291	.564 -.084	.831 .190	.785 .193	.784 .227	.919 .299	.786 .231
.823 -.258	.710 .042	.914 .234	.859 .238	.868 .283	.967 .158	.864 .275
.842 -.244	.857 .163	.986 .135	.922 .259	.923 .302		.912 .283
.861 -.168	.976 .211	1.012 .010	.967 .168	.972 .200		.985 .116
.881 -.171	1.072 .174		1.000 .026			
.900 -.157	1.110 .085					
.938 .040						

LOWER SURFACE

TABLE II-114 CONFIGURATION 136 M = 0.95 Q = 923 $\alpha = 3.19^\circ$ $C_L = 0.4109$ $\beta = -2.50^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 .030						
.057 -.176						
.076 -.291						
.080 -.241	-.658 -.136	-.021 -.764	.023 -.761	.025 -.795	.022 -.700	.018 -.582
.085 -.292	-.565 -.264	.035 -.464	.068 -.869	.079 -.858	.075 -.873	.077 -.590
.093 -.158	-.452 -.317	.105 -.368	.134 -.783	.133 -.812	.129 -.741	.129 -.514
.113 .038	-.311 -.391	.178 -.396	.209 -.561	.214 -.755	.201 -.415	.209 -.321
.115 .090	-.023 -.436	.286 -.394	.294 -.430	.295 -.446	.294 -.170	.293 -.324
.137 .033	.133 -.365	.396 -.420	.404 -.451	.407 -.318	.397 -.210	.396 -.366
.138 .048	.272 -.132	.514 -.366	.497 -.395	.502 -.122	.495 -.241	.494 -.372
.163 .020	.416 -.078	.618 -.336	.599 -.397	.601 -.170	.594 -.310	.590 -.351
.162 .021	.565 -.119	.733 -.362	.700 -.344	.698 -.238	.693 -.381	.692 -.099
.209 -.063	.713 -.143	.835 -.281	.782 -.178	.780 -.302	.784 -.441	.777 -.154
.247 -.210	.854 -.193	.919 -.085	.864 -.134	.863 -.286	.856 -.314	.861 -.160
.276 -.300	.980 -.228	.987 -.001	.926 -.061	.923 -.165	.926 -.164	.918 -.123
.324 -.377	1.074 -.197		.975 .001	.977 -.040	.977 -.073	.972 .013
.361 -.359	1.122 -.064					
.396 -.274						
.438 -.049						
.487 -.007						
.518 -.045	-.658 .079	-.022 .335	.024 .205	.025 .056	.019 .078	.020 .177
.556 -.123	-.615 .069	.038 .077	.075 -.069	.074 -.143	.066 -.193	.076 -.211
.574 -.108	-.572 .048	.101 -.038	.137 -.140	.130 -.179	.136 -.181	.136 -.235
.593 -.014	-.462 -.051	.185 -.096	.213 -.170	.214 -.178	.214 -.164	.221 -.229
.632 .015	-.329 -.095	.289 -.115	.297 -.157	.298 -.177	.489 -.114	.295 -.216
.670 .003	-.172 -.181	.398 -.146	.400 -.184	.397 -.141	.594 -.073	.396 -.161
.747 -.101	-.030 -.175	.519 -.120	.498 -.142	.501 -.128	.700 .104	.497 -.096
.766 -.160	.128 -.122	.620 -.070	.604 -.097	.603 -.089	.786 .219	.597 -.012
.785 -.319	.418 -.128	.737 .085	.705 .066	.703 .106	.858 .278	.702 .151
.804 -.292	.564 -.073	.831 .195	.785 .188	.784 .223	.919 .303	.786 .239
.823 -.260	.710 .045	.914 .234	.859 .244	.868 .283	.967 .212	.864 .279
.842 -.243	.857 .178	.986 .125	.922 .258	.923 .297		.912 .287
.861 -.177	.976 .213	1.012 .003	.967 .161	.972 .194		.985 .140
.881 -.179	1.072 .175		1.000 .014			
.900 -.170	1.110 .077					
.938 .028						

LOWER SURFACE

~~CONFIDENTIAL~~

TABLE II-115 CONFIGURATION 136 M = 0.95 Q = 923 $\alpha = 3.48^\circ$ $C_L = 0.4503$ $\beta = -2.50^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 .044						
.057 -.172						
.076 -.278						
.080 -.235	-.658 -.144	-.021 -.832	.023 -.796	.025 -.812	.022 -.770	.018 -.713
.085 -.276	-.565 -.275	.035 -.779	.068 -.927	.079 -.896	.075 -.905	.077 -.681
.093 -.141	-.452 -.334	.105 -.333	.134 -.801	.133 -.889	.129 -.818	.129 -.639
.113 .044	-.311 -.399	.178 -.410	.209 -.641	.214 -.801	.201 -.776	.209 -.346
.115 .090	-.023 -.445	.286 -.405	.294 -.440	.295 -.753	.294 -.362	.293 -.315
.137 .038	.133 -.367	.396 -.429	.404 -.473	.407 -.373	.397 -.149	.396 -.348
.138 .058	.272 -.174	.514 -.364	.497 -.416	.502 -.319	.495 -.199	.494 -.360
.163 .016	.416 -.080	.618 -.348	.599 -.421	.601 -.136	.594 -.262	.590 -.270
.162 .028	.565 -.111	.733 -.377	.700 -.303	.698 -.191	.693 -.347	.693 -.174
.209 -.064	.713 -.147	.835 -.294	.782 -.169	.780 -.244	.784 -.417	.777 -.173
.247 -.209	.854 -.198	.919 -.088	.864 -.129	.863 -.263	.856 -.327	.861 -.168
.276 -.298	.980 -.238	.987 -.006	.926 -.058	.923 -.153	.926 -.164	.918 -.108
.324 -.371	1.074 -.211		.975 -.001	.977 -.033	.977 -.051	.972 .009
.361 -.358	1.122 -.071					
.396 -.266						
.438 -.048						
.487 -.012						
.518 -.044	-.658 .081	-.022 .359	.024 .222	.025 .091	.019 .115	.020 .179
.556 -.124	-.615 .073	.038 .105	.075 -.034	.074 -.114	.066 -.167	.076 -.182
.574 -.121	-.572 .051	.101 -.007	.137 -.115	.130 -.157	.136 -.160	.136 -.225
.593 -.016	-.462 -.041	.185 -.070	.213 -.139	.214 -.171	.214 -.149	.221 -.217
.632 .017	-.329 -.082	.289 -.095	.297 -.152	.298 -.166	.489 -.118	.295 -.220
.670 .004	-.172 -.176	.398 -.133	.400 -.166	.397 -.136	.594 -.077	.396 -.169
.747 -.093	-.030 -.164	.519 -.119	.498 -.137	.501 -.126	.700 .105	.497 -.103
.766 -.155	.128 -.125	.620 -.056	.604 -.091	.603 -.092	.786 .218	.597 -.018
.785 -.314	.418 -.110	.737 .092	.705 .074	.703 .104	.858 .278	.702 .145
.804 -.275	.564 -.057	.831 .195	.785 .190	.784 .220	.919 .303	.786 .235
.823 -.258	.710 .056	.914 .239	.859 .250	.868 .283	.967 .209	.864 .281
.842 -.243	.857 .177	.966 .128	.922 .267	.923 .297		.912 .287
.861 -.169	.976 .217	1.012 .010	.967 .162	.972 .187		.985 .146
.881 -.175	1.072 .177		1.000 -.001			
.900 -.172	1.110 .077					
.938 .032						

LOWER SURFACE

TABLE II-116 CONFIGURATION 136 M = 0.95 Q = 923 $\alpha = 4.16^\circ$ $C_L = 0.5218$ $\beta = -2.50^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 .017						
.057 -.173						
.076 -.287						
.080 -.232	-.658 -.172	-.021 -.913	.023 -.857	.025 -.881	.022 -.825	.018 -.791
.085 -.294	-.565 -.289	.035 -.878	.068 -.980	.079 -.955	.075 -.943	.077 -.923
.093 -.139	-.452 -.342	.105 -.503	.134 -.886	.133 -.946	.129 -.922	.129 -.859
.113 .049	-.311 -.410	.178 -.364	.209 -.838	.214 -.886	.201 -.866	.209 -.825
.115 .090	-.023 -.461	.286 -.381	.294 -.456	.295 -.843	.294 -.842	.293 -.460
.137 .037	.133 -.368	.396 -.439	.404 -.517	.407 -.691	.397 -.478	.396 -.257
.138 .056	.272 -.222	.514 -.391	.497 -.454	.502 -.398	.495 -.198	.494 -.181
.163 .015	.416 -.100	.618 -.369	.599 -.446	.601 -.232	.594 -.115	.590 -.131
.162 .031	.565 -.121	.733 -.393	.700 -.454	.698 -.172	.693 -.247	.693 -.165
.209 -.064	.713 -.154	.835 -.343	.782 -.217	.780 -.219	.784 -.335	.777 -.201
.247 -.210	.854 -.209	.919 -.112	.864 -.120	.863 -.210	.856 -.309	.861 -.179
.276 -.297	.980 -.251	.987 -.020	.926 -.049	.923 -.118	.926 -.174	.918 -.130
.324 -.370	1.074 -.247		.975 -.014	.977 -.006	.977 -.035	.972 -.005
.361 -.360	1.122 -.101					
.396 -.272						
.438 -.055						
.487 -.000						
.518 -.044	-.658 .094	-.022 .386	.024 .283	.025 .160	.019 .168	.020 .224
.556 -.132	-.615 .083	.038 .142	.075 .023	.074 -.035	.066 -.112	.076 -.138
.574 -.177	-.572 .072	.101 .009	.137 -.070	.130 -.100	.136 -.122	.136 -.204
.593 -.035	-.462 -.017	.185 -.037	.213 -.099	.214 -.128	.214 -.123	.221 -.208
.632 .015	-.329 -.065	.289 -.058	.297 -.110	.298 -.128	.489 -.128	.295 -.217
.670 .010	-.172 -.150	.398 -.103	.400 -.136	.397 -.118	.594 -.112	.396 -.202
.747 -.089	-.030 -.141	.519 -.093	.498 -.127	.501 -.116	.700 .075	.497 -.131
.766 -.151	.128 -.091	.620 -.052	.604 -.088	.603 -.092	.786 .180	.597 -.043
.785 -.305	.418 -.084	.737 .098	.705 .074	.703 .097	.858 .253	.702 .125
.804 -.259	.564 -.043	.831 .206	.785 .198	.784 .218	.919 .273	.786 .243
.823 -.256	.710 .072	.914 .245	.859 .252	.868 .275	.967 .141	.864 .272
.842 -.237	.857 .198	.986 .125	.922 .259	.923 .282		.912 .283
.861 -.169	.976 .227	1.012 -.014	.967 .155	.972 .152		.985 .153
.881 -.181	1.072 .177		1.000 -.018			
.900 -.181	1.110 .075					
.938 .030						

LOWER SURFACE

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-117 CONFIGURATION 136 M = 0.95 Q = 923 $\alpha = 5.37^\circ$ $C_L = 0.8597$ $\beta = -2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.018												
.057	-.188												
.076	-.294												
.080	-.241	-.658	-.216	-.021	-1.053	.023	-.996	.025	-.991	.022	-.949	.018	-.926
.085	-.305	-.565	-.326	.035	-1.162	.068	-1.108	.079	-1.051	.075	-1.054	.077	-1.044
.093	-.138	-.452	-.379	.105	-1.052	.134	-1.026	.133	-1.048	.129	-1.031	.129	-1.044
.113	.041	-.311	-.451	.178	-.318	.209	-.972	.214	-1.007	.201	-1.011	.209	-.995
.115	.088	-.023	-.467	.286	-.392	.294	-.900	.295	-.939	.294	-.958	.293	-.938
.137	.027	.133	-.378	.396	-.474	.404	-.546	.407	-.939	.397	-.928	.396	-.873
.138	.050	.272	-.253	.514	-.426	.497	-.506	.502	-.859	.495	-.899	.494	-.500
.163	.012	.416	-.135	.618	-.412	.599	-.488	.601	-.503	.594	-.642	.590	-.259
.162	.025	.565	-.135	.733	-.428	.700	-.513	.698	-.294	.693	-.182	.693	-.063
.209	-.072	.713	-.174	.835	-.386	.782	-.334	.780	-.201	.784	-.140	.777	-.058
.247	-.226	.854	-.234	.919	-.135	.864	-.157	.863	-.159	.856	-.126	.861	-.073
.276	-.313	.980	-.275	.987	-.056	.926	-.079	.923	-.085	.926	-.072	.918	-.091
.324	-.384	1.074	-.308			.975	-.048	.977	-.008	.977	.001	.972	-.009
.361	-.369	1.122	-.139										
.396	-.271												
.438	-.088												
.487	-.028												
LOWER SURFACE													
.518	-.068	-.658	.101	-.022	.430	.024	.368	.025	.258	.019	.278	.020	.304
.556	-.161	-.615	.109	.038	.212	.075	.104	.074	.046	.066	-.016	.076	-.076
.574	-.235	-.572	.098	.101	.093	.137	.020	.130	-.028	.136	-.064	.136	-.147
.593	-.078	-.462	.009	.185	.024	.213	-.040	.214	-.067	.214	-.082	.221	-.185
.632	.002	-.329	-.036	.289	-.012	.297	-.060	.298	-.086	.489	-.138	.295	-.201
.670	.001	-.172	-.113	.398	-.057	.400	-.093	.397	-.100	.594	-.137	.396	-.229
.747	-.085	-.030	-.101	.519	-.063	.498	-.100	.501	-.107	.700	.036	.497	-.182
.766	-.147	.128	-.056	.620	-.030	.604	-.078	.603	-.099	.786	.154	.597	-.089
.785	-.297	.418	-.044	.737	.105	.705	.070	.703	.065	.858	.224	.702	.082
.804	-.230	.564	-.006	.831	.213	.785	.190	.784	.190	.919	.244	.786	.180
.823	-.257	.710	.098	.914	.250	.859	.249	.868	.249	.967	.104	.864	.234
.842	-.238	.857	.217	.986	.108	.922	.253	.923	.247			.912	.251
.861	-.174	.976	.237	1.012	-.040	.967	.116	.972	.071			.985	.114
.881	-.188	1.072	.183			1.000	-.091						
.900	-.197	1.110	.067										
.938	.003												

TABLE II-118 CONFIGURATION 136 M = 0.95 Q = 923 $\alpha = 8.02^\circ$ $C_L = 0.8597$ $\beta = -2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	-.011												
.057	-.190												
.076	-.311												
.080	-.230	-.658	-.321	-.021	-1.218	.023	-1.198	.025	-1.167	.022	-.908	.018	-.383
.085	-.287	-.565	-.421	.035	-1.239	.068	-1.212	.079	-1.228	.075	-.722	.077	-.414
.093	-.139	-.452	-.451	.105	-1.165	.134	-1.206	.133	-1.148	.129	-.809	.129	-.360
.113	.048	-.311	-.502	.178	-1.014	.209	-1.144	.214	-1.048	.201	-.567	.209	-.355
.115	.087	-.023	-.495	.286	-.934	.294	-1.002	.295	-.969	.294	-.616	.293	-.342
.137	.022	.133	-.395	.396	-.817	.404	-.816	.407	-.896	.397	-.556	.396	-.333
.138	.046	.272	-.304	.514	-.587	.497	-.730	.502	-.734	.495	-.536	.494	-.289
.163	.005	.416	-.227	.618	-.438	.599	-.604	.601	-.603	.594	-.462	.590	-.298
.162	.026	.565	-.201	.733	-.461	.700	-.479	.698	-.521	.693	-.450	.693	-.294
.209	-.092	.713	-.220	.835	-.483	.782	-.387	.780	-.476	.784	-.469	.777	-.294
.247	-.237	.854	-.281	.919	-.217	.864	-.328	.863	-.410	.856	-.441	.861	-.268
.276	-.330	.980	-.334	.987	-.081	.926	-.325	.923	-.377	.926	-.414	.918	-.255
.324	-.397	1.074	-.393			.975	-.266	.977	-.363	.977	-.388	.972	-.246
.361	-.372	1.122	-.212										
.396	-.261												
.438	-.151												
.487	-.072												
LOWER SURFACE													
.518	-.116	-.658	.123	-.022	.491	.024	.495	.025	.433	.019	.427	.020	.419
.556	-.214	-.615	.149	.038	.338	.075	.265	.074	.214	.066	.131	.076	.072
.574	-.288	-.572	.159	.101	.232	.137	.152	.130	.118	.136	.063	.136	-.041
.593	-.225	-.462	.093	.185	.152	.213	.088	.214	.043	.214	.009	.221	-.109
.632	-.013	-.329	.054	.289	.106	.297	.046	.298	.002	.489	-.124	.295	-.144
.670	.007	-.172	-.009	.398	.060	.400	-.013	.397	-.054	.594	-.140	.396	-.211
.747	-.075	-.030	.001	.519	.014	.498	-.046	.501	-.089	.700	.010	.497	-.236
.766	-.137	.128	.037	.620	.028	.604	-.058	.603	-.114	.786	.123	.597	-.174
.785	-.279	.418	.044	.737	.134	.705	.049	.703	.035	.858	.200	.702	-.023
.804	-.205	.564	.071	.831	.240	.785	.159	.784	.159	.919	.217	.786	.077
.823	-.248	.710	.153	.914	.266	.859	.220	.868	.230	.967	.043	.864	.131
.842	-.232	.857	.258	.986	.110	.922	.214	.923	.229			.912	.140
.861	-.185	.976	.272	1.012	-.040	.967	.032	.972	.025			.985	-.115
.881	-.206	1.072	.199			1.000	-.327						
.900	-.224	1.110	.073										
.938	-.042												

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-119 CONFIGURATION 136 M = 0.95 Q = 923 $\alpha = 10.46^\circ$ $C_L = 0.9806$ $\beta = -2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	-.032												
.057	-.195												
.076	-.299												
.080	-.214	-.658	-.454	-.021	-1.266	.023	-1.156	.025	-.643	.022	-.395	.018	-.352
.085	-.234	-.565	-.509	.035	-1.245	.068	-1.155	.079	-.631	.075	-.414	.077	-.362
.093	-.139	-.452	-.534	.105	-1.233	.134	-1.145	.133	-.600	.129	-.465	.129	-.356
.113	.048	-.311	-.565	.178	-1.198	.209	-1.122	.214	-.581	.201	-.414	.209	-.350
.115	.086	-.023	-.520	.286	-1.185	.294	-1.101	.295	-.560	.294	-.396	.293	-.338
.137	.025	.133	-.418	.396	-1.221	.404	-1.006	.407	-.542	.397	-.393	.396	-.331
.138	.045	.272	-.336	.514	-1.158	.497	-.946	.502	-.546	.495	-.396	.494	-.321
.163	.010	.416	-.288	.618	-.900	.599	-.858	.601	-.541	.594	-.391	.590	-.321
.162	.020	.565	-.287	.733	-.439	.700	-.793	.698	-.537	.693	-.390	.693	-.314
.209	-.099	.713	-.294	.835	-.503	.782	-.766	.780	-.529	.784	-.380	.777	-.303
.247	-.246	.854	-.355	.519	-.306	.864	-.725	.863	-.517	.856	-.382	.861	-.301
.276	-.339	.980	-.393	.587	-.091	.926	-.704	.923	-.502	.926	-.376	.918	-.292
.324	-.404	1.074	-.470			.975	-.680	.977	-.488	.977	-.356	.972	-.293
.361	-.366	1.122	-.303										
.396	-.244												
.438	-.179												
.487	-.126												
.518	-.176	-.658	.132	-.022	.512	.024	.583	.025	.537	.019	.530	.020	.489
.556	-.270	-.615	.184	.038	.424	.075	.386	.074	.329	.066	.260	.076	.180
.574	-.339	-.572	.200	.101	.337	.137	.265	.130	.226	.136	.155	.136	.054
.593	-.329	-.462	.150	.185	.251	.213	.188	.214	.132	.214	.078	.221	-.036
.632	.005	-.329	.124	.289	.194	.297	.135	.298	.087	.489	-.084	.295	-.087
.670	.019	-.172	.075	.398	.133	.400	.077	.397	.013	.594	-.125	.396	-.167
.747	-.091	-.030	.081	.519	.085	.498	.023	.501	-.050	.700	.006	.497	-.222
.766	-.160	.128	.110	.620	.087	.604	-.025	.603	-.093	.786	.117	.597	-.197
.785	-.310	.418	.118	.737	.172	.705	.051	.703	.028	.858	.195	.702	-.060
.804	-.238	.564	.144	.831	.266	.785	.156	.784	.157	.919	.208	.786	.030
.823	-.238	.710	.211	.914	.287	.859	.220	.868	.230	.967	.018	.864	.080
.842	-.225	.857	.312	.986	.082	.922	.205	.923	.216			.912	.077
.861	-.196	.976	.317	1.012	-.121	.967	-.007	.972	.002			.985	-.230
.881	-.215	1.072	.223			1.000	-.536						
.900	-.245	1.110	.084										
.938	-.096												
LCMER SURFACE													

TABLE II-120 CONFIGURATION 136 M = 0.95 Q = 923 $\alpha = 11.57^\circ$ $C_L = 1.0442$ $\beta = -2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	-.045												
.057	-.195												
.076	-.305												
.080	-.208	-.658	-.511	-.021	-1.257	.023	-1.166	.025	-.527	.022	-.442	.018	-.379
.085	-.211	-.565	-.577	.035	-1.224	.068	-1.157	.079	-.501	.075	-.446	.077	-.386
.093	-.136	-.452	-.580	.105	-1.230	.134	-1.158	.133	-.500	.129	-.451	.129	-.390
.113	.048	-.311	-.583	.178	-1.228	.209	-1.149	.214	-.510	.201	-.442	.209	-.381
.115	.084	-.023	-.542	.286	-1.254	.294	-1.086	.295	-.509	.294	-.435	.293	-.361
.137	.023	.133	-.456	.396	-1.290	.404	-1.003	.407	-.523	.397	-.440	.396	-.359
.138	.034	.272	-.364	.514	-1.265	.497	-.947	.502	-.537	.495	-.440	.494	-.354
.163	.006	.416	-.325	.618	-1.235	.599	-.867	.601	-.541	.594	-.430	.590	-.352
.162	.016	.565	-.322	.733	-.758	.700	-.818	.698	-.531	.693	-.429	.693	-.348
.209	-.107	.713	-.321	.835	-.512	.782	-.775	.780	-.534	.784	-.422	.777	-.344
.247	-.255	.854	-.380	.919	-.240	.864	-.733	.863	-.516	.856	-.422	.861	-.340
.276	-.346	.980	-.416	.587	-.055	.926	-.683	.923	-.513	.926	-.408	.918	-.333
.324	-.410	1.074	-.499			.975	-.678	.977	-.501	.977	-.397	.972	-.328
.361	-.364	1.122	-.352										
.396	-.244												
.438	-.198												
.487	-.153												
.518	-.197	-.658	.140	-.022	.515	.024	.600	.025	.585	.019	.551	.020	.503
.556	-.295	-.615	.201	.038	.460	.075	.436	.074	.378	.066	.322	.076	.223
.574	-.369	-.572	.221	.101	.374	.137	.304	.130	.258	.136	.184	.136	.094
.593	-.378	-.462	.174	.185	.293	.213	.229	.214	.174	.214	.133	.221	.001
.632	.016	-.329	.167	.289	.234	.297	.180	.298	.118	.489	-.053	.295	-.053
.670	.014	-.172	.105	.398	.158	.400	.102	.397	.044	.594	-.100	.396	-.142
.747	-.104	-.030	.121	.519	.117	.498	.048	.501	-.020	.700	.015	.497	-.191
.766	-.174	.128	.149	.620	.105	.604	-.004	.603	-.072	.786	.117	.597	-.184
.785	-.325	.418	.148	.737	.184	.705	.059	.703	.048	.858	.199	.702	-.053
.804	-.245	.564	.170	.831	.270	.785	.161	.784	.168	.919	.217	.786	.039
.823	-.242	.710	.237	.914	.280	.859	.225	.868	.241	.967	.013	.864	.093
.842	-.222	.857	.333	.986	.058	.922	.210	.923	.226			.912	.087
.861	-.195	.976	.326	1.012	-.387	.967	-.009	.972	.004			.985	-.230
.881	-.223	1.072	.233			1.000	-.582						
.900	-.258	1.110	.083										
.938	-.116												
LCMER SURFACE													

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-121 CONFIGURATION 136 M = 0.95 Q = 923 $\alpha = 0.11^\circ$ $C_L = 0.0076$ $\beta = 2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.244												
.057	-.010												
.076	-.134												
.080	-.111	-.658	-.080	-.021	-.068	.023	-.227	.025	-.120	.022	.104	.018	.244
.085	-.195	-.565	-.228	.035	-.283	.068	-.341	.079	-.220	.075	-.124	.077	-.075
.093	-.123	-.452	-.305	.105	-.287	.134	-.368	.133	-.223	.129	-.139	.129	-.091
.113	.068	-.311	-.393	.178	-.285	.209	-.357	.214	-.199	.201	-.153	.209	-.144
.115	.129	-.023	-.465	.286	-.291	.294	-.352	.295	-.175	.294	-.131	.293	-.164
.137	.052	.133	-.419	.396	-.332	.404	-.250	.407	-.196	.397	-.152	.396	-.202
.138	.100	.272	-.083	.514	-.289	.497	-.183	.502	-.235	.495	-.189	.494	-.255
.163	.040	.416	-.078	.618	-.224	.599	-.208	.601	-.255	.594	-.236	.590	-.303
.162	.080	.565	-.107	.733	-.242	.700	-.297	.698	-.311	.693	-.305	.693	-.338
.209	-.062	.713	-.090	.835	-.163	.782	-.313	.780	-.359	.784	-.412	.777	-.130
.247	-.209	.854	-.088	.919	-.095	.864	-.240	.863	-.342	.856	-.440	.861	-.154
.276	-.309	.980	-.078	.987	.047	.926	-.111	.923	-.162	.926	-.121	.918	-.100
.324	-.367	1.074	-.030			.975	.021	.977	-.006	.977	-.002	.972	.044
.361	-.370	1.122	.023										
.396	-.179												
.438	-.013												
.487	.032												
.518	.045	-.658	-.031	-.022	.070	.024	-.205	.025	-.421	.019	-.528	.020	-.602
.556	.051	-.615	-.062	.038	-.193	.075	-.432	.074	-.508	.066	-.654	.076	-.655
.574	.059	-.572	-.080	.101	-.286	.137	-.439	.130	-.440	.136	-.512	.136	-.608
.593	.052	-.462	-.169	.185	-.336	.213	-.403	.214	-.384	.214	-.292	.221	-.370
.632	.052	-.329	-.215	.289	-.343	.297	-.200	.298	-.214	.489	-.177	.295	-.311
.670	.043	-.172	-.270	.398	-.340	.400	-.206	.397	-.222	.594	-.115	.396	-.297
.747	-.019	-.030	-.302	.519	-.214	.498	-.193	.501	-.169	.700	.037	.497	-.075
.766	-.077	.128	-.224	.620	-.089	.604	-.118	.603	-.119	.786	.104	.597	-.001
.785	-.177	.418	-.231	.737	.062	.705	.046	.703	.051	.858	.128	.702	.114
.804	-.135	.564	-.199	.831	.140	.785	.139	.784	.123	.919	.157	.786	.163
.823	-.126	.710	-.056	.914	.186	.859	.179	.868	.194	.967	.122	.864	.187
.842	-.094	.857	.084	.986	.160	.922	.201	.923	.206			.912	.192
.861	-.021	.976	.147	1.012	.089	.967	.148	.972	.149			.985	.112
.881	.001	1.072	.141			1.000	.060						
.900	.016	1.110	.093										
.938	.081												

UPPER SURFACE

LOWER SURFACE

TABLE II-122 CONFIGURATION 136 M = 0.95 Q = 923 $\alpha = 2.74^\circ$ $C_L = 0.3376$ $\beta = 2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.201												
.057	-.050												
.076	-.172												
.080	-.128	-.658	-.190	-.021	-.693	.023	-.660	.025	-.599	.022	-.413	.018	-.353
.085	-.232	-.565	-.335	.035	-.836	.068	-.830	.079	-.706	.075	-.689	.077	-.642
.093	-.146	-.452	-.395	.105	-.810	.134	-.782	.133	-.727	.129	-.661	.129	-.640
.113	.043	-.311	-.487	.178	-.363	.209	-.703	.214	-.712	.201	-.665	.209	-.556
.115	.117	-.023	-.523	.286	-.314	.294	-.602	.295	-.613	.294	-.586	.293	-.438
.137	.019	.133	-.491	.396	-.436	.404	-.370	.407	-.508	.397	-.571	.396	-.128
.138	.075	.272	-.297	.514	-.404	.497	-.452	.502	-.431	.495	-.183	.494	-.086
.163	.016	.416	-.120	.618	-.384	.599	-.440	.601	-.449	.594	-.161	.590	-.199
.162	.054	.565	-.134	.733	-.399	.700	-.479	.698	-.417	.693	-.257	.693	-.302
.209	-.098	.713	-.153	.835	-.324	.782	-.483	.780	-.225	.784	-.383	.777	-.360
.247	-.249	.854	-.197	.919	-.092	.864	-.172	.863	-.235	.856	-.484	.861	-.213
.276	-.346	.980	-.209	.987	.009	.926	-.058	.923	-.117	.926	-.156	.918	-.128
.324	-.399	1.074	-.137			.975	.004	.977	.003	.977	-.016	.972	.034
.361	-.396	1.122	-.044										
.396	-.280												
.438	-.059												
.487	-.010												
.518	-.021	-.658	.009	-.022	.273	.024	.124	.025	.083	.019	.130	.020	.123
.556	-.065	-.615	-.006	.038	.030	.075	-.105	.074	-.102	.066	-.132	.076	-.173
.574	-.014	-.572	-.027	.101	-.072	.137	-.153	.130	-.130	.136	-.125	.136	-.206
.593	.024	-.462	-.116	.185	-.132	.213	-.162	.214	-.135	.214	-.118	.221	-.199
.632	.046	-.329	-.152	.289	-.133	.297	-.145	.298	-.124	.489	-.105	.295	-.203
.670	.039	-.172	-.226	.398	-.147	.400	-.146	.397	-.100	.594	-.092	.396	-.183
.747	-.022	-.030	-.231	.519	-.127	.498	-.113	.501	-.094	.700	.062	.497	-.102
.766	-.077	.128	-.160	.620	-.064	.604	-.071	.603	-.074	.786	.153	.597	-.025
.785	-.174	.418	-.139	.737	.079	.705	.060	.703	.078	.858	.212	.702	.106
.804	-.136	.564	-.079	.831	.180	.785	.166	.784	.177	.919	.229	.786	.180
.823	-.131	.710	.029	.914	.222	.859	.215	.868	.234	.967	.130	.864	.218
.842	-.106	.857	.149	.986	.135	.922	.225	.923	.244			.912	.223
.861	-.045	.976	.191	1.012	.041	.967	.150	.972	.144			.985	.092
.881	-.026	1.072	.162			1.000	.044						
.900	-.009	1.110	.087										
.938	.064												

UPPER SURFACE

LOWER SURFACE

~~CONFIDENTIAL~~

CONFIDENTIAL

TABLE II-123 CONFIGURATION 136 $M = 0.95$ $Q = 923$ $\alpha = 3.29^\circ$ $C_L = 0.4088$ $\beta = 2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.194												
.057	-.062												
.076	-.173												
.080	-.130	-.658	-.225	-.021	-.756	.023	-.691	.025	-.665	.022	-.475	.018	-.430
.085	-.233	-.565	-.370	.035	-.889	.068	-.870	.079	-.762	.075	-.739	.077	-.705
.093	-.154	-.452	-.412	.105	-.902	.134	-.841	.133	-.778	.129	-.715	.129	-.705
.113	.047	-.311	-.503	.178	-.786	.209	-.903	.214	-.771	.201	-.726	.209	-.683
.115	.113	-.023	-.537	.286	-.264	.294	-.751	.295	-.698	.294	-.662	.293	-.636
.137	.017	.133	-.492	.396	-.400	.404	-.484	.407	-.706	.397	-.654	.396	-.632
.138	.074	.272	-.315	.514	-.402	.497	-.446	.502	-.597	.495	-.647	.494	-.366
.163	.014	.416	-.133	.618	-.391	.599	-.449	.601	-.454	.594	-.591	.590	-.033
.162	.051	.565	-.140	.733	-.414	.700	-.499	.698	-.499	.693	-.269	.693	-.138
.209	-.104	.713	-.160	.835	-.358	.782	-.548	.780	-.257	.784	-.214	.777	-.219
.247	-.251	.854	-.209	.919	-.108	.864	-.165	.863	-.164	.856	-.242	.861	-.234
.276	-.351	.980	-.232	.927	-.005	.926	-.060	.923	-.076	.926	-.113	.918	-.163
.324	-.406	1.074	-.165			.975	.003	.977	.003	.977	.016	.972	-.022
.361	-.402	1.122	-.071										
.396	-.295												
.438	-.082												
.487	-.011												
LCHER SURFACE													
.518	-.024	-.658	.017	-.022	.316	.024	.168	.025	.122	.019	.200	.020	.203
.556	-.087	-.615	.004	.038	.079	.075	-.060	.074	-.044	.066	-.063	.076	-.082
.574	-.049	-.572	-.016	.101	-.030	.137	-.106	.130	-.094	.136	-.062	.136	-.150
.593	.014	-.462	-.099	.185	-.082	.213	-.135	.214	-.105	.214	-.066	.221	-.161
.632	.045	-.329	-.140	.289	-.086	.297	-.117	.298	-.109	.489	-.078	.295	-.175
.670	.040	-.172	-.215	.398	-.124	.400	-.140	.397	-.088	.594	-.058	.396	-.150
.747	-.020	-.030	-.214	.519	-.106	.498	-.102	.501	-.076	.700	.072	.497	-.107
.766	-.074	.128	-.142	.620	-.054	.604	-.070	.603	-.053	.786	.164	.597	-.032
.785	-.172	.418	-.110	.737	.082	.705	.065	.703	.086	.858	.222	.702	.097
.804	-.132	.564	-.066	.831	.182	.785	.168	.784	.190	.919	.235	.786	.178
.823	-.136	.710	.040	.914	.221	.859	.214	.868	.241	.967	.140	.864	.214
.842	-.106	.857	.157	.986	.127	.922	.230	.923	.248			.912	.223
.861	-.051	.976	.198	1.012	.021	.967	.150	.972	.150			.985	.083
.881	-.028	1.072	.164			1.000	.041						
.900	-.014	1.110	.078										
.938	.060												

LCWER SURFACE

TABLE II-124 CONFIGURATION 136 $M = 0.95$ $Q = 923$ $\alpha = 3.42^\circ$ $C_L = 0.4269$ $\beta = 2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.187												
.057	-.058												
.076	-.179												
.080	-.132	-.658	-.241	-.021	-.790	.023	-.700	.025	-.680	.022	-.498	.018	-.463
.085	-.238	-.565	-.361	.035	-.899	.068	-.883	.079	-.769	.075	-.749	.077	-.703
.093	-.164	-.452	-.415	.105	-.926	.134	-.867	.133	-.787	.129	-.734	.129	-.729
.113	.041	-.311	-.501	.178	-.795	.209	-.823	.214	-.784	.201	-.738	.209	-.708
.115	.111	-.023	-.538	.286	-.276	.294	-.745	.295	-.738	.294	-.688	.293	-.648
.137	.010	.133	-.488	.396	-.437	.404	-.669	.407	-.720	.397	-.678	.396	-.643
.138	.069	.272	-.319	.514	-.423	.497	-.418	.502	-.686	.495	-.659	.494	-.629
.163	.006	.416	-.147	.618	-.408	.599	-.445	.601	-.457	.594	-.654	.590	-.026
.162	.044	.565	-.146	.733	-.418	.700	-.498	.698	-.498	.693	-.313	.693	-.034
.209	-.106	.713	-.166	.835	-.375	.782	-.552	.780	-.310	.784	-.190	.777	-.170
.247	-.258	.854	-.209	.919	-.112	.864	-.194	.863	-.155	.856	-.205	.861	-.219
.276	-.350	.980	-.235	.987	-.018	.926	-.058	.923	-.066	.926	-.082	.918	-.160
.324	-.405	1.074	-.181			.975	-.007	.977	-.003	.977	.015	.972	.020
.361	-.402	1.122	-.077										
.396	-.288												
.438	-.078												
.487	-.023												
.518	-.036	-.658	.027	-.022	.315	.024	.194	.025	.156	.019	.219	.020	.247
.556	-.098	-.615	.009	.038	.094	.075	-.050	.074	-.047	.066	-.020	.076	-.079
.574	-.064	-.572	-.011	.101	-.012	.137	-.104	.130	-.087	.136	-.064	.136	-.123
.593	.009	.462	-.100	.185	-.072	.213	-.123	.214	-.105	.214	-.065	.221	-.141
.632	.042	-.329	-.130	.289	-.096	.297	-.112	.298	-.096	.489	-.071	.295	-.153
.670	.037	-.172	-.212	.398	-.120	.400	-.127	.397	-.083	.594	-.057	.396	-.149
.747	-.021	-.030	-.207	.519	-.105	.498	-.101	.501	-.073	.700	.080	.497	-.101
.766	-.077	.128	-.140	.620	-.048	.604	-.068	.603	-.056	.786	.165	.597	-.032
.785	-.172	.418	-.110	.737	.083	.705	.061	.703	.089	.858	.224	.702	.099
.804	-.135	.564	-.064	.831	.181	.785	.170	.784	.192	.919	.238	.786	.173
.823	-.131	.710	.043	.914	.214	.859	.219	.868	.242	.967	.141	.864	.216
.842	-.112	.857	.163	.986	.120	.922	.228	.923	.251			.912	.221
.861	-.053	.976	.198	1.012	.008	.967	.152	.972	.153			.985	.082
.881	-.035	1.072	.167			1.000	.037						
.900	-.018	1.110	.080										
.938	.060												
UPPER SURFACE													
LCMER SURFACE													

LCWER SURFACE

CONFIDENTIAL

TABLE II-125 CONFIGURATION 136 $M = 0.95$ $Q = 923$ $\alpha = 4.04^0$ $C_T = 0.4985$ $\beta = 2.50^0$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.175												
.057	-.071												
.076	-.185												
.080	-.139	-.658	-.264	-.021	-.836	.023	-.791	.025	-.735	.022	-.577	.018	-.540
.085	-.255	-.565	-.389	.035	-1.009	.068	-.937	.079	-.846	.075	-.803	.077	-.769
.093	-.164	-.452	-.434	.105	-.970	.134	-.901	.133	-.843	.129	-.779	.129	-.781
.113	.042	-.311	-.524	.178	-.861	.209	-.890	.214	-.835	.201	-.806	.209	-.765
.115	.106	-.023	-.551	.286	-.549	.294	-.834	.295	-.786	.294	-.745	.293	-.728
.137	.009	.133	-.502	.396	-.384	.404	-.749	.407	-.792	.397	-.740	.396	-.724
.138	.071	.272	-.331	.514	-.421	.497	-.496	.502	-.780	.495	-.738	.494	-.704
.163	.007	.416	-.159	.618	-.422	.599	-.473	.601	-.753	.594	-.721	.590	-.200
.162	.040	.565	-.152	.733	-.435	.700	-.512	.698	-.571	.693	-.290	.693	-.007
.209	-.114	.713	-.173	.835	-.396	.782	-.545	.780	-.271	.784	-.167	.777	-.077
.247	-.266	.854	-.217	.519	-.122	.864	-.194	.863	-.145	.856	-.109	.861	-.131
.276	-.356	.980	-.258	.587	-.026	.926	-.089	.923	-.084	.926	-.064	.918	-.139
.324	-.411	1.074	-.211			.975	-.050	.977	-.060	.977	-.031	.972	-.020
.361	-.407	1.122	-.109										
.396	-.290												
.438	-.095												
.487	-.031												
LOWER SURFACE													
.518	-.043	-.658	.034	-.022	.344	.024	.227	.025	.193	.019	.254	.020	.273
.556	-.113	-.615	.015	.038	.125	.075	.008	.074	-.001	.066	-.004	.076	-.006
.574	-.099	-.572	.009	.101	.007	.137	-.059	.130	-.046	.136	-.033	.136	-.076
.593	-.008	-.462	-.080	.185	-.027	.213	-.094	.214	-.076	.214	-.033	.221	-.108
.632	.037	-.329	.112	.289	-.060	.297	-.083	.298	-.077	.489	-.042	.295	-.121
.670	.038	-.172	-.193	.398	-.093	.400	-.113	.397	-.075	.594	-.037	.396	-.118
.747	-.020	-.030	-.182	.519	-.080	.498	-.094	.501	-.066	.790	.097	.497	-.092
.766	-.077	.128	-.111	.620	-.047	.604	-.065	.603	-.044	.786	.177	.597	-.025
.785	-.169	.418	-.088	.737	.087	.705	.065	.703	.095	.858	.227	.702	.101
.804	-.131	.564	-.038	.831	.188	.785	.167	.784	.202	.919	.249	.786	.176
.823	-.134	.710	.056	.914	.219	.859	.217	.868	.258	.967	.153	.864	.212
.842	-.112	.857	.171	.986	.106	.922	.228	.923	.265			.912	.217
.861	-.056	.976	.207	1.012	-.010	.967	.140	.972	.170			.985	.074
.881	-.043	1.072	.162			1.000	.021						
.900	-.019	1.110	.070										
.938	.055												

TABLE II-126 CONFIGURATION 136 $M = 0.95$ $Q = 923$ $\alpha = 5.34^\circ$ $C_L = 0.6452$ $\beta = 2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.159												
.057	-.088												
.076	-.198												
UPPER SURFACE													
.080	-.150	-.658	-.319	-.021	-.975	.023	-.904	.025	-.871	.022	-.745	.018	-.680
.085	-.260	-.565	-.444	.035	-1.129	.068	-1.048	.079	-.956	.075	-.917	.077	-.869
.093	-.174	-.452	-.483	.105	-1.116	.134	-1.019	.133	-.965	.129	-.899	.129	-.895
.113	.034	-.311	-.562	.178	-1.100	.209	-.995	.214	-.946	.201	-.905	.209	-.866
.115	.098	-.023	-.572	.286	-.991	.294	-.974	.295	-.892	.294	-.850	.293	-.841
.137	-.003	.133	-.513	.396	-.402	.404	-.943	.407	-.896	.397	-.870	.396	-.851
.138	.060	.272	-.369	.514	-.394	.497	-.856	.502	-.894	.495	-.827	.494	-.811
.163	-.007	.416	-.218	.618	-.432	.599	-.628	.601	-.891	.594	-.300	.590	-.278
.162	.024	.565	-.188	.733	-.459	.700	-.567	.698	-.403	.693	-.246	.693	-.139
.209	-.131	.713	-.210	.835	-.410	.782	-.416	.780	-.368	.784	-.213	.777	-.084
.247	-.280	.854	-.256	.919	-.173	.864	-.225	.863	-.356	.856	-.200	.861	-.055
.276	-.366	.980	-.299	.987	-.061	.926	-.169	.923	-.351	.926	-.182	.918	-.049
.324	-.426	1.074	-.274			.975	-.140	.977	-.339	.977	-.170	.972	.009
.361	-.413	1.122	-.257										
.396	-.307												
.438	-.134												
LOWER SURFACE													
.487	-.042												
.518	-.059	-.658	.042	-.022	.370	.024	.315	.025	.254	.019	.314	.020	.338
.556	-.142	-.615	.042	.038	.182	.075	.085	.074	.073	.066	.062	.076	.065
.574	-.172	-.572	.029	.101	.058	.137	.019	.130	-.004	.136	.025	.136	-.018
.593	-.065	-.462	-.044	.185	.038	.213	-.029	.214	-.031	.214	-.005	.221	-.054
.632	.020	-.329	-.080	.289	.007	.297	-.044	.298	-.039	.489	-.020	.295	-.078
.670	.032	-.172	-.151	.398	-.041	.400	-.077	.397	-.054	.594	.008	.396	-.087
.747	-.018	-.030	-.138	.519	-.052	.498	-.078	.501	-.047	.700	.107	.497	-.075
.766	-.078	.128	-.078	.620	-.027	.604	-.053	.603	-.031	.786	.193	.597	-.032
.785	-.164	.418	-.061	.737	.091	.705	.056	.703	.103	.858	.250	.702	.082
.804	-.136	.564	-.011	.831	.189	.785	.166	.784	.203	.919	.272	.786	.155
.823	-.135	.710	.079	.914	.220	.859	.213	.868	.254	.967	.188	.864	.195
-.842	-.119	.857	.193	.986	.093	.922	.224	.923	.266			.912	.204
.861	-.072	.976	.219	1.012	-.045	.967	.121	.972	.169			.985	.095
.881	-.055	1.072	.167			1.000	-.023						
.900	-.040	1.110	.059										
.938	.050												

~~CONFIDENTIAL~~

TABLE II-127 CONFIGURATION 136 M = 0.95 Q = 923 $\alpha = 7.95^\circ$ $C_L = 0.8324$ $\beta = 2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.126												
.057	-.111												
.076	-.225												
.080	-.153	-.658	-.463	-.021	-1.161	.023	-1.100	.025	-1.074	.022	-.969	.018	-.886
.085	-.283	-.565	-.577	.035	-1.284	.068	-1.200	.079	-1.140	.075	-1.052	.077	-.971
.093	-.191	-.452	-.581	.105	-1.280	.134	-1.177	.133	-1.120	.129	-.955	.129	-.980
.113	.018	-.311	-.627	.178	-1.245	.209	-1.155	.214	-1.107	.201	-1.000	.209	-.850
.115	.084	-.023	-.612	.286	-1.189	.294	-1.118	.295	-1.057	.294	-.893	.293	-.755
.137	-.017	.133	-.527	.396	-.927	.404	-1.084	.407	-1.060	.397	-.658	.396	-.609
.138	.036	.272	-.392	.514	-.841	.497	-1.001	.502	-.722	.495	-.570	.494	-.483
.163	-.017	.416	-.314	.618	-.721	.599	-.676	.601	-.554	.594	-.460	.590	-.386
.162	-.008	.565	-.267	.733	-.575	.700	-.594	.698	-.491	.693	-.413	.693	-.337
.209	-.158	.713	-.280	.825	-.485	.782	-.505	.780	-.492	.784	-.377	.777	-.304
.247	-.303	.854	-.332	.919	-.299	.864	-.459	.863	-.440	.856	-.362	.861	-.243
.276	-.389	.980	-.371	.987	-.111	.926	-.358	.923	-.422	.926	-.334	.918	-.235
.324	-.429	1.074	-.393			.975	-.374	.977	-.413	.977	-.323	.972	-.208
.361	-.414	1.122	-.226										
.396	-.314												
.438	-.199												
.487	-.084												
.518	-.099	-.658	.057	-.022	.413	.024	.444	.025	.415	.019	.420	-.020	.382
.556	-.195	-.615	.086	.038	.310	.075	.251	.074	.232	.066	.189	.076	.128
.574	-.258	-.572	.071	.101	.223	.137	.158	.130	.131	.136	.100	.136	.019
.593	-.166	-.462	.032	.185	.158	.213	.101	.214	.070	.214	.049	.221	-.044
.632	.003	-.329	.001	.289	.107	.297	.062	.298	.038	.489	-.071	.295	-.092
.670	.026	-.172	-.058	.398	.055	.400	.010	.397	-.017	.594	-.100	.396	-.141
.747	-.025	-.030	-.030	.519	.041	.498	-.005	.501	-.045	.700	-.005	.497	-.158
.766	-.076	.128	.008	.620	.043	.604	-.019	.603	-.070	.786	.078	.597	-.138
.785	-.167	.418	.029	.737	.122	.705	.061	.703	.023	.858	.149	.702	-.017
.804	-.137	.564	.061	.831	.218	.785	.149	.784	.129	.919	.158	.786	.056
.823	-.138	.710	.142	.914	.238	.859	.201	.868	.184	.967	-.019	.864	.111
.842	-.130	.857	.251	.986	.093	.922	.186	.923	.160			.912	.102
.861	-.085	.976	.253	1.012	-.067	.967	.019	.972	-.030			.985	-.150
.881	-.075	1.072	.180			1.000	-.297						
.900	-.057	1.110	.058										
.938	.040												
LOWER SURFACE													
.019	.112												
.057	-.133												
.076	-.242												
.080	-.171	-.658	-.529	-.021	-1.227	.023	-1.172	.025	-1.097	.022	-.709	.018	-.428
.085	-.301	-.565	-.643	.035	-1.344	.068	-1.272	.079	-1.138	.075	-.638	.077	-.440
.093	-.204	-.452	-.637	.105	-1.317	.134	-1.233	.133	-1.151	.129	-.556	.129	-.467
.113	.008	-.311	-.670	.178	-1.285	.209	-1.205	.214	-.953	.201	-.596	.209	-.404
.115	.073	-.023	-.635	.286	-1.128	.294	-1.171	.295	-.847	.294	-.541	.293	-.383
.137	-.029	.133	-.544	.396	-.999	.404	-1.023	.407	-.745	.397	-.550	.396	-.370
.138	.024	.272	-.418	.514	-.918	.497	-.830	.502	-.669	.495	-.487	.494	-.346
.163	-.024	.416	-.366	.618	-.884	.599	-.722	.601	-.593	.594	-.444	.590	-.334
.162	-.008	.565	-.324	.733	-.809	.700	-.630	.698	-.559	.693	-.440	.693	-.326
.209	-.163	.713	-.325	.825	-.722	.782	-.563	.780	-.505	.784	-.429	.777	-.320
.247	-.312	.854	-.367	.919	-.557	.864	-.490	.863	-.500	.856	-.422	.861	-.301
.276	-.391	.980	-.416	.987	-.309	.926	-.450	.923	-.486	.926	-.404	.918	-.304
.324	-.436	1.074	-.430			.975	-.449	.977	-.474	.977	-.399	.972	-.294
.361	-.406	1.122	-.241										
.396	-.317												
.438	-.212												
.487	-.118												
.518	-.143	-.658	.077	-.022	.420	.024	.496	.025	.451	.019	.450	.020	.400
.556	-.229	-.615	.106	.038	.351	.075	.319	.074	.276	.066	.232	.076	.150
.574	-.293	-.572	.113	.101	.275	.137	.218	.130	.192	.136	.135	.136	.045
.593	-.205	-.462	.070	.185	.205	.213	.150	.214	.114	.214	.065	.221	-.032
.632	-.004	-.329	.040	.289	.151	.297	.105	.298	.072	.489	-.072	.295	-.086
.670	.018	-.172	-.018	.398	.098	.400	.052	.397	.009	.594	-.110	.396	-.146
.747	-.037	-.030	.001	.519	.062	.498	.022	.501	-.031	.700	-.013	.497	-.182
.766	-.094	.128	.054	.620	.054	.604	.005	.603	-.074	.786	.071	.597	-.157
.785	-.190	.418	.064	.737	.139	.705	.064	.703	.011	.858	.140	.702	-.043
.804	-.152	.564	.093	.831	.228	.785	.146	.784	.113	.919	.152	.786	.028
.823	-.156	.710	.171	.914	.246	.859	.189	.868	.168	.967	-.024	.864	.086
.842	-.146	.857	.268	.986	.094	.922	.162	.923	.155			.912	.073
.861	-.099	.976	.280	1.012	-.075	.967	-.038	.972	-.055			.985	-.181
.881	-.096	1.072	.196			1.000	-.488						
.900	-.086	1.110	.062										
.938	.034												

TABLE II-128 CONFIGURATION 136 M = 0.95 Q = 923 $\alpha = 9.11^\circ$ $C_L = 0.8948$ $\beta = 2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.112												
.057	-.133												
.076	-.242												
.080	-.171	-.658	-.529	-.021	-1.227	.023	-1.172	.025	-1.097	.022	-.709	.018	-.428
.085	-.301	-.565	-.643	.035	-1.344	.068	-1.272	.079	-1.138	.075	-.638	.077	-.440
.093	-.204	-.452	-.637	.105	-1.317	.134	-1.233	.133	-1.151	.129	-.556	.129	-.467
.113	.008	-.311	-.670	.178	-1.285	.209	-1.205	.214	-.953	.201	-.596	.209	-.404
.115	.073	-.023	-.635	.286	-1.128	.294	-1.171	.295	-.847	.294	-.541	.293	-.383
.137	-.029	.133	-.544	.396	-.999	.404	-1.023	.407	-.745	.397	-.550	.396	-.370
.138	.024	.272	-.418	.514	-.918	.497	-.830	.502	-.669	.495	-.487	.494	-.346
.163	-.024	.416	-.366	.618	-.884	.599	-.722	.601	-.593	.594	-.444	.590	-.334
.162	-.008	.565	-.324	.733	-.809	.700	-.630	.698	-.559	.693	-.440	.693	-.326
.209	-.163	.713	-.325	.825	-.722	.782	-.563	.780	-.505	.784	-.429	.777	-.320
.247	-.312	.854	-.367	.919	-.557	.864	-.490	.863	-.500	.856	-.422	.861	-.301
.276	-.391	.980	-.416	.987	-.309	.926	-.450	.923	-.486	.926	-.404	.918	-.304
.324	-.436	1.074	-.430			.975	-.449	.977	-.474	.977	-.399	.972	-.294
.361	-.406	1.122	-.241										
.396	-.317												
.438	-.212												
.487	-.118												
.518	-.143	-.658	.077	-.022	.420	.024	.496	.025	.451	.019	.450	.020	.400
.556	-.229	-.615	.106	.038	.351	.075	.319	.074	.276	.066	.232	.076	.150
.574	-.293	-.572	.113	.101	.275	.137	.218	.130	.192	.136	.135	.136	.045
.593	-.205	-.462	.070	.185	.205	.213	.150	.214	.114	.214	.065	.221	-.032
.632	-.004	-.329	.040	.289	.151	.297	.105	.298	.072	.489	-.072	.295	-.086
.670	.018	-.172	-.018	.398	.098	.400	.052	.397	.009	.594	-.110	.396	-.146
.747	-.037	-.030	.001	.519	.062	.498	.022	.501	-.031	.700	-.013	.497	-.182
.766	-.094	.128	.054	.620	.054	.604	.005	.603	-.074	.786	.071	.597	-.157
.785	-.190	.418	.064	.737	.139	.705	.064	.703	.011	.858	.140	.702	-.043
.804	-.152	.564	.093	.831	.228	.785	.146	.784	.113	.919	.152	.786	.028
.823	-.156	.710	.171	.914	.246	.859	.189	.868	.168	.967	-.024	.864	.086
.842	-.146	.857	.268	.986	.094	.922	.162	.923	.155			.912	.078
.861	-.099	.976	.280	1.012	-.075	.967	-.038	.972	-.055			.985	-.181
.881	-.096	1.072	.196			1.000	-.488						
.900	-.086	1.110	.062										
.938	.034												

TABLE II-129 CONFIGURATION 136 $M = 0.95$ $Q = 923$ $\alpha = 10.34^\circ$ $C_L = 0.9638$ $\beta = 2.50^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .480 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
.019 .093						
.057 -.152						
.076 -.247						
.080 -.179	-.658 -.588	-.021 -1.262	.023 -1.227	.025 -.883	.022 -.489	.018 -.404
.085 -.298	-.565 -.759	.035 -1.311	.068 -1.292	.079 -.861	.075 -.493	.077 -.404
.093 -.211	-.452 -.683	.105 -1.313	.134 -1.250	.133 -.789	.129 -.505	.129 -.403
.113 .009	-.311 -.702	.178 -1.218	.209 -1.205	.214 -.745	.201 -.463	.209 -.398
.115 .065	-.023 -.636	.286 -1.125	.294 -1.047	.295 -.694	.294 -.454	.293 -.380
.137 -.024	.133 -.530	.396 -1.111	.404 -.879	.407 -.665	.397 -.444	.396 -.363
.138 .011	.272 -.435	.514 -1.067	.497 -.799	.502 -.640	.495 -.445	.494 -.357
.163 -.022	.416 -.395	.618 -1.050	.599 -.717	.601 -.596	.594 -.427	.590 -.339
.162 -.026	.565 -.399	.733 -1.074	.700 -.656	.698 -.568	.693 -.419	.693 -.343
.209 -.173	.713 -.384	.835 -.882	.782 -.628	.780 -.536	.784 -.409	.777 -.336
.247 -.316	.854 -.420	.919 -.714	.864 -.569	.863 -.517	.856 -.403	.861 -.334
.276 -.397	.980 -.440	.926 -.563	.926 -.563	.923 -.513	.926 -.401	.918 -.326
.324 -.442	1.074 -.464	.975 -.556	.975 -.556	.977 -.490	.977 -.389	.972 -.313
.361 -.402	1.122 -.249					
.396 -.310						
.438 -.222						
.487 -.149						
.518 -.179	-.658 .089	-.022 .414	.024 .507	.025 .481	.019 .467	.020 .423
.556 -.265	-.615 .128	.038 .388	.075 .361	.074 .323	.066 .258	.076 .188
.574 -.331	-.572 .141	.101 .311	.137 .263	.130 .220	.136 .170	.136 .078
.593 -.241	-.462 .097	.185 .248	.213 .186	.214 .154	.214 .056	.221 -.005
.632 -.006	-.329 .078	.289 .201	.297 .142	.298 .096	.489 -.057	.295 -.057
.670 .018	-.172 .029	.398 .136	.400 .083	.397 .033	.594 -.094	.396 -.129
.747 -.052	-.030 .038	.519 .089	.498 .048	.501 -.018	.700 -.005	.497 -.168
.766 -.105	.128 .080	.620 .089	.604 .017	.603 -.062	.786 .072	.597 -.161
.785 -.204	.418 .094	.737 .157	.705 .066	.703 .019	.858 .143	.702 -.059
.804 -.167	.564 .124	.831 .240	.785 .143	.784 .114	.919 .154	.786 .011
.823 -.168	.710 .194	.914 .256	.859 .180	.868 .176	.967 -.032	.864 .067
.842 -.159	.857 .297	.986 .092	.922 .155	.923 .156		.912 .061
.861 -.113	.976 .296	1.012 -.091	.967 -.054	.972 -.053		.985 -.196
.881 -.107	1.072 .209		1.000 -.635			
.900 -.094	1.110 .067					
.938 .021						

LOWER SURFACE

TABLE II-130 CONFIGURATION 136 $M = 0.95$ $Q = 923$ $\alpha = 11.17^\circ$ $C_L = 1.0405$ $\beta = 2.50^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .480 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
.019 .095						
.057 -.154						
.076 -.251						
.080 -.187	-.658 -.633	-.021 -1.317	.023 -1.102	.025 -1.046	.022 -.731	.018 -.592
.085 -.307	-.565 -.887	.035 -1.295	.068 -1.141	.079 -.744	.075 -.754	.077 -.728
.093 -.217	-.452 -.717	.105 -1.302	.134 -1.010	.133 -.995	.129 -.633	.129 -.469
.113 .006	-.311 -.741	.178 -1.226	.209 -.979	.214 -.909	.201 -.691	.209 -.737
.115 .058	-.023 -.647	.286 -1.192	.294 -.906	.295 -.736	.294 -.746	.293 -.616
.137 -.038	.133 -.523	.396 -1.176	.404 -.819	.407 -.494	.397 -.599	.396 -.726
.138 .006	.272 -.430	.514 -1.181	.497 -.764	.502 -.510	.495 -.715	.494 -.548
.163 -.012	.416 -.416	.618 -1.188	.599 -.668	.601 -.511	.594 -.603	.590 -.477
.162 -.036	.565 -.421	.733 -1.172	.700 -.642	.698 -.508	.693 -.582	.693 -.541
.209 -.186	.713 -.437	.835 -.941	.782 -.602	.780 -.491	.784 -.548	.777 -.498
.247 -.323	.854 -.482	.919 -.818	.864 -.591	.863 -.486	.856 -.488	.861 -.531
.276 -.390	.980 -.500	.987 -.618	.926 -.594	.923 -.489	.926 -.437	.918 -.452
.324 -.451	1.074 -.501		.975 -.558	.977 -.487	.977 -.453	.972 -.465
.361 -.413	1.122 -.247					
.396 -.319						
.438 -.231						
.487 -.173						
.518 -.199	-.658 .095	-.022 .426	.024 .514	.025 .508	.019 .490	.020 .440
.556 -.287	-.615 .150	.038 .406	.075 .388	.074 .361	.066 .294	.076 .243
.574 -.349	-.572 .148	.101 .353	.137 .286	.130 .250	.136 .177	.136 .113
.593 -.233	-.462 .130	.185 .263	.213 .224	.214 .179	.214 .137	.221 .009
.632 -.003	-.329 .096	.289 .211	.297 .171	.298 .121	.489 -.047	.295 -.040
.670 -.007	-.172 .060	.398 .166	.400 .107	.397 .053	.594 -.092	.396 -.115
.747 -.060	-.030 .076	.519 .119	.498 .066	.501 -.002	.700 -.006	.497 -.152
.766 -.127	.128 .117	.620 .108	.604 .032	.603 -.048	.786 .079	.597 -.150
.785 -.250	.418 .133	.737 .174	.705 .080	.703 .016	.858 .143	.702 -.071
.804 -.177	.564 .167	.831 .236	.785 .133	.784 .117	.919 .160	.786 .005
.823 -.173	.710 .222	.914 .265	.859 .201	.868 .194	.967 -.045	.864 .063
.842 -.157	.857 .310	.986 .111	.922 .151	.923 .161		.912 .063
.861 -.116	.976 .328	1.012 -.077	.967 -.068	.972 -.065		.985 -.225
.881 -.128	1.072 .227		1.000 -.657			
.900 -.118	1.110 .063					
.938 .009						

LOWER SURFACE

TABLE II-131 CONFIGURATION 136 M = 0.95 Q = 600 $\alpha = -9.34^\circ$ $C_L = -0.8265$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
UPPER SURFACE						
.019 .317						
.057 .051						
.076 -.026						
.080 -.153						
.085 -.037	-.658 .038	-.021 .464	.023 .563	.025 .537	.022 .540	.018 .517
.093 -.121	-.565 -.010	.035 .398	.068 .439	.079 .398	.075 .376	.077 .329
.113 .138	-.452 -.025	.105 .323	.134 .330	.133 .325	.129 .305	.129 .270
.115 .112	-.311 -.041	.178 .265	.209 .260	.214 .248	.201 .228	.209 .166
.137 .169	-.023 .028	.286 .214	.294 .221	.295 .203	.294 .168	.293 .077
.138 .090	.133 .095	.396 .145	.404 .143	.407 .123	.397 .103	.396 -.000
.163 .167	.272 .137	.514 .127	.497 .098	.502 .056	.495 .023	.494 -.088
.162 .093	.416 .162	.618 .087	.599 .037	.601 -.026	.594 -.057	.590 -.173
.209 .093	.565 .155	.733 .022	.700 -.043	.698 -.126	.693 -.174	.693 -.278
.247 -.030	.713 .159	.835 -.060	.782 -.110	.780 -.244	.784 -.309	.777 -.402
.276 -.104	.854 .110	.919 -.128	.864 -.224	.863 -.419	.856 -.453	.861 -.540
.324 -.115	.980 .061	.987 -.135	.926 -.364	.923 -.555	.926 -.653	.918 -.691
.361 .013	1.074 -.002		.975 -.521	.977 -.735	.977 -.569	.972 -.454
.396 .102	1.122 -.052					
.438 .165						
.487 .222						
.518 .204						
.556 .145	-.658 -.187	-.022 -1.027	.024 -1.221	.025 -.443	.019 -.408	.020 -.357
.574 .106	-.615 -.277	.038 -1.162	.075 -1.170	.074 -.456	.066 -.416	.076 -.352
.593 .068	-.572 -.294	.101 -1.143	.137 -1.191	.130 -.444	.136 -.414	.136 -.353
.632 .046	-.462 -.358	.185 -1.078	.213 -1.083	.214 -.472	.214 -.423	.221 -.348
.670 .018	-.329 -.305	.289 -.104	.297 -1.020	.298 -.485	.489 -.417	.295 -.355
.747 -.096	-.172 -.300	.398 -1.010	.400 -.951	.397 -.530	.594 -.419	.396 -.354
.766 -.152	-.030 -.342	.519 -.812	.498 -.874	.501 -.569	.700 -.409	.497 -.352
.785 -.334	.128 -.375	.620 -.766	.604 -.851	.603 -.591	.786 -.398	.597 -.344
.804 -.391	.418 -.342	.737 -.241	.705 -.770	.703 -.567	.858 -.394	.702 -.341
.823 -.269	.564 -.440	.831 -.125	.785 -.721	.784 -.549	.919 -.549	.786 -.332
.842 -.144	.710 -.458	.914 -.029	.859 -.659	.868 -.528	.967 -.389	.864 -.332
.861 -.043	.857 -.281	.986 .033	.922 -.619	.923 -.518		.912 -.330
.881 -.014	.976 -.154	1.012 .034	.967 -.643	.972 -.510		.985 -.331
.900 .005	1.072 -.040		1.000 -.870			
.938 .107	1.110 -.079					
CN =	-.6935	-.8798	-.9711	-.5171	-.3778	-.2402
CM =	-.0645	-.0603	.0184	-.0046	-.0360	-.0554

TABLE II-132 CONFIGURATION 136 M = 0.95 Q = 600 $\alpha = -7.03^\circ$ $C_L = -0.6897$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
UPPER SURFACE						
.019 .285						
.057 .021						
.076 -.066						
.080 -.155						
.085 -.089	-.658 .023	-.021 .439	.023 .489	.025 .469	.022 .507	.018 .495
.093 -.131	-.565 -.047	.035 .315	.068 .326	.079 .327	.075 .326	.077 .276
.113 .115	-.452 -.085	.105 .240	.134 .235	.133 .261	.129 .252	.129 .206
.115 .116	-.311 -.137	.178 .173	.209 .167	.214 .196	.201 .179	.209 .118
.137 .142	-.023 -.051	.286 .112	.294 .132	.295 .147	.294 .126	.293 .041
.138 .091	.133 .023	.396 .065	.404 .079	.407 .083	.397 .069	.396 -.038
.163 .129	.272 .081	.514 .058	.497 .049	.502 .030	.495 -.007	.494 -.117
.162 .084	.416 .106	.618 .026	.599 -.007	.601 -.044	.594 -.086	.590 -.194
.209 .063	.565 .107	.733 -.028	.700 -.071	.698 -.127	.693 -.199	.693 -.302
.247 -.070	.713 .108	.835 -.082	.782 -.114	.780 -.237	.784 -.335	.777 -.423
.276 -.151	.854 .066	.919 -.117	.864 -.145	.863 -.407	.856 -.474	.861 -.558
.324 -.222	.980 .033	.987 -.052	.926 -.090	.923 -.537	.926 -.666	.918 -.698
.361 -.041	1.074 -.016		.975 -.035	.977 -.690	.977 -.482	.972 -.359
.396 .060	1.122 -.039					
.438 .122						
.487 .178						
.518 .178						
.556 .119	-.658 -.151	-.022 -.831	.024 -1.111	.025 -.713	.019 -.371	.020 -.334
.574 .085	-.615 -.205	.038 -1.109	.075 -1.157	.074 -.702	.066 -.366	.076 -.337
.593 .057	-.572 -.230	.101 -1.027	.137 -1.139	.130 -.665	.136 -.365	.136 -.323
.632 .047	-.462 -.311	.185 -.702	.213 -1.103	.214 -.611	.214 -.376	.221 -.320
.670 .028	-.329 -.300	.289 -.648	.297 -1.075	.298 -.569	.489 -.373	.295 -.314
.747 -.084	-.172 -.304	.398 -.692	.400 -.866	.397 -.562	.594 -.369	.396 -.310
.766 -.145	-.030 -.327	.519 -.723	.498 -.756	.501 -.568	.700 -.374	.497 -.314
.785 -.323	.128 -.343	.620 -.727	.604 -.727	.603 -.572	.786 -.367	.597 -.312
.804 -.322	.418 -.302	.737 -.262	.705 -.740	.703 -.547	.858 -.367	.702 -.312
.823 -.237	.564 -.406	.831 -.198	.785 -.658	.784 -.531	.919 -.358	.786 -.293
.842 -.138	.710 -.405	.914 -.101	.859 -.573	.868 -.502	.967 -.359	.864 -.288
.861 -.033	.857 -.202	.986 .040	.922 -.402	.923 -.482		.912 -.288
.881 -.002	.976 -.067	1.012 .077	.967 -.245	.972 -.476		.985 -.288
.900 .011	1.072 .007		1.000 -.129			
.938 .104	1.110 -.018					
CN =	-.5200	-.6876	-.8812	-.5456	-.3091	-.1804
CM =	-.0449	-.0403	.0182	-.0170	-.0392	-.0595

~~CONFIDENTIAL~~

TABLE II-133 CONFIGURATION 136 M = 0.95 Q = 600 $\alpha = -4.76^\circ$ $C_L = -0.5397$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.241												
.057	-.018												
.076	-.111												
.080	-.163	-.658	-.005	-.021	.353	.023	.365	.025	.357	.022	.466	.018	.469
.085	-.110	-.565	-.092	.035	.185	.068	.193	.079	.222	.075	.265	.077	.218
.093	-.135	-.452	-.142	.105	.111	.134	.117	.133	.152	.129	.191	.129	.155
.113	.096	-.311	-.195	.178	.053	.209	.056	.214	.106	.201	.126	.209	.073
.115	.105	-.023	-.125	.286	.016	.294	.029	.295	.076	.294	.086	.293	.009
.137	.105	.133	-.040	.396	-.028	.404	.003	.407	.013	.397	.042	.396	-.065
.138	.090	.272	.014	.514	-.013	.497	-.022	.502	-.024	.495	-.017	.494	-.130
.163	.101	.416	.040	.618	-.035	.599	-.059	.601	-.077	.594	-.086	.590	-.210
.162	.068	.565	.042	.733	-.089	.700	-.107	.698	-.143	.693	-.193	.693	-.304
.209	.021	.713	.057	.835	-.115	.782	-.138	.780	-.187	.784	-.329	.777	-.425
.247	-.109	.854	.018	.919	-.103	.864	-.197	.863	-.244	.856	-.455	.861	-.551
.276	-.191	.980	-.005	.987	.021	.926	-.205	.923	-.252	.926	-.644	.918	-.675
.324	-.278	1.074	-.027			.975	-.117	.977	-.412	.977	-.521	.972	-.294
.361	-.087	1.122	-.014										
.396	-.004												
.438	.067												
.487	.132												
LOWER SURFACE													
.518	.127	-.658	-.089	-.022	-.596	.024	-.958	.025	-1.105	.019	-.477	.020	-.308
.556	.090	-.615	-.142	.038	-.793	.075	-.989	.074	-1.111	.066	-.463	.076	-.298
.574	.067	-.572	-.164	.101	-.626	.137	-1.026	.130	-1.090	.136	-.514	.136	-.271
.593	.048	-.462	-.254	.185	-.614	.213	-.992	.214	-1.003	.214	-.435	.221	-.282
.632	.040	-.329	-.287	.289	-.600	.297	-.977	.298	-.821	.489	-.425	.295	-.267
.670	.022	-.172	-.282	.398	-.631	.400	-.961	.397	-.737	.594	-.453	.396	-.266
.747	-.074	-.030	-.333	.519	-.673	.498	-.802	.501	-.656	.700	-.471	.497	-.252
.766	-.136	.128	-.273	.620	-.451	.604	-.251	.603	-.638	.786	-.441	.597	-.261
.785	-.304	.418	-.313	.737	-.232	.705	-.017	.703	-.586	.858	-.403	.702	-.250
.804	-.219	.564	-.387	.831	-.174	.785	-.023	.784	-.538	.919	-.401	.786	-.248
.823	-.243	.710	-.345	.914	-.007	.859	-.031	.868	-.498	.967	-.392	.864	-.247
.842	-.144	.857	-.120	.986	.151	.922	-.059	.923	-.357			.912	-.235
.861	-.051	.976	.002	1.012	.118	.967	-.052	.972	-.354			.985	-.242
.881	-.023	1.072	.050			1.000	-.069						
.900	-.010	1.110	.028										
.938	.093												
CN =		-.3524		-.4797		-.5430		-.6921		-.3621		-.1176	
CM =		-.0232		-.0366		-.0707		-.0143		-.0293		-.0626	

TABLE II-134 CONFIGURATION 136 M = 0.95 Q = 600 $\alpha = -2.45^\circ$ $C_L = -0.3056$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.212												
.057	-.046												
.076	-.148												
.080	-.166	-.658	-.037	-.021	.197	.023	.154	.025	.196	.022	.353	.018	.402
.085	-.137	-.565	-.137	.035	.019	.068	-.008	.079	.046	.075	.132	.077	.132
.093	-.137	-.452	-.195	.105	-.054	.134	-.042	.133	.015	.129	.074	.129	.085
.113	.080	-.311	-.285	.178	-.071	.209	-.069	.214	-.007	.201	.032	.209	.011
.115	.108	-.023	-.310	.286	-.122	.294	-.085	.295	-.022	.294	.008	.293	-.031
.137	.084	.133	-.091	.396	-.132	.404	-.091	.407	-.058	.397	-.017	.396	-.100
.138	.079	.272	-.047	.514	-.094	.497	-.101	.502	-.092	.495	-.076	.494	-.133
.163	.071	.416	-.017	.618	-.103	.599	-.126	.601	-.132	.594	-.119	.590	-.178
.162	.066	.565	-.013	.733	-.150	.700	-.162	.698	-.182	.693	-.192	.693	-.250
.209	-.010	.713	-.000	.835	-.137	.782	-.168	.780	-.235	.784	-.277	.777	-.342
.247	-.158	.854	-.024	.919	-.095	.864	-.170	.863	-.262	.856	-.264	.861	-.419
.276	-.242	.980	-.038	.987	.033	.926	-.087	.923	-.171	.926	-.174	.918	-.546
.324	-.327	1.074	-.026			.975	.025	.977	-.019	.977	-.016	.972	-.352
.361	-.258	1.122	.012										
.396	-.043												
.438	.017												
.487	.073												
LOWER SURFACE													
.518	.087	-.658	-.052	-.022	-.190	.024	-.700	.025	-.866	.019	-.904	.020	-.480
.556	.064	-.615	-.082	.038	-.454	.075	-.721	.074	-1.005	.066	-.897	.076	-.462
.574	.052	-.572	-.110	.101	-.441	.137	-.817	.130	-1.002	.136	-.912	.136	-.403
.593	.040	-.462	-.209	.185	-.486	.213	-.779	.214	-.945	.214	-.755	.221	-.358
.632	.036	-.329	-.249	.289	-.508	.297	-.736	.298	-.916	.489	-.493	.295	-.337
.670	.019	-.172	-.284	.398	-.515	.400	-.693	.397	-.617	.594	-.400	.396	-.301
.747	-.070	-.030	-.350	.519	-.564	.498	-.689	.501	-.401	.700	-.042	.497	-.278
.766	-.133	.128	-.253	.620	-.251	.604	-.113	.603	-.130	.786	-.067	.597	-.253
.785	-.289	.418	-.292	.737	-.027	.705	.032	.703	.075	.858	.202	.702	-.245
.804	-.203	.564	-.313	.831	.020	.785	.090	.784	.143	.919	.276	.786	-.246
.823	-.224	.710	-.218	.914	.081	.859	.151	.868	.186	.967	.133	.864	-.209
.842	-.150	.857	-.025	.986	.141	.922	.209	.923	.196			.912	-.199
.861	-.075	.976	.073	1.012	.112	.967	.174	.972	.133			.985	-.188
.881	-.047	1.072	.096			1.000	.080						
.900	-.028	1.110	.060										
.938	.074												
CN =		-.1507		-.2203		-.2868		-.3152		-.3402		-.1575	
CM =		.0010		-.0406		-.0764		-.1098		-.0976		-.0588	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-135 CONFIGURATION 136 M = 0.95 Q = 600 $\alpha = -1.83^\circ$ $C_L = -0.2281$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.201												
.057	.043												
.076	.159												
.080	.167												
.085	.155	-.658	-.038	-.021	.152	.023	.079	.025	.150	.022	.316	.018	.382
.093	.133	-.565	-.164	.035	-.061	.068	-.075	.079	.014	.075	.085	.077	.084
.113	.083	-.452	-.214	.105	-.102	.134	-.104	.133	-.020	.129	.039	.129	.056
.115	.111	-.311	-.302	.178	-.117	.209	-.110	.214	-.038	.201	-.013	.209	-.022
.137	.085	-.023	-.372	.286	-.153	.294	-.121	.295	-.045	.294	-.024	.293	-.065
.138	.089	.133	-.089	.396	-.165	.404	-.131	.407	-.078	.397	-.052	.396	-.117
.163	.073	.272	-.048	.514	-.113	.497	-.130	.502	-.110	.495	-.094	.494	-.167
.162	.070	.416	-.039	.618	-.119	.599	-.148	.601	-.143	.594	-.133	.590	-.201
.209	-.016	.565	-.035	.733	-.163	.700	-.183	.698	-.204	.693	-.208	.693	-.198
.247	-.164	.713	-.018	.835	-.148	.782	-.187	.780	-.268	.784	-.302	.777	-.244
.276	-.247	.854	-.036	.919	-.099	.864	-.188	.863	-.266	.856	-.296	.861	-.337
.324	-.329	.980	-.051	.987	.030	.926	-.098	.923	-.174	.926	-.181	.918	-.366
.361	-.299	1.074	-.031			.975	.034	.977	-.019	.977	-.012	.972	-.278
.396	-.048	1.122	.010										
.438	.014												
.487	.072												
LOWER SURFACE													
.518	.083	-.658	-.022	-.022	-.100	.024	-.543	.025	-.796	.019	-.828	.020	-.534
.556	.066	-.615	-.075	.038	-.384	.075	-.670	.074	-.941	.066	-.922	.076	-.524
.574	.055	-.572	-.094	.101	-.402	.137	-.761	.130	-.938	.136	-.903	.136	-.446
.593	.046	-.462	-.187	.185	-.445	.213	-.703	.214	-.889	.214	-.871	.221	-.408
.632	.044	-.329	-.235	.289	-.461	.297	-.666	.298	-.885	.294	-.849	.295	-.359
.670	.022	-.172	-.278	.398	-.481	.400	-.633	.397	-.405	.394	-.247	.396	-.328
.747	-.067	-.030	-.328	.519	-.535	.498	-.471	.501	-.135	.700	-.015	.697	-.296
.766	-.128	.128	-.254	.620	-.192	.604	-.079	.603	-.072	.786	.152	.597	-.259
.785	-.280	.418	-.261	.737	.007	.705	.065	.703	.024	.858	.234	.702	-.221
.804	-.203	.564	-.304	.831	.066	.785	.166	.784	.085	.919	.273	.786	-.213
.823	-.216	.710	-.183	.914	.121	.859	.234	.868	.166	.967	.175	.864	-.168
.842	-.149	.857	.009	.986	.153	.922	.236	.923	.169			.912	-.149
.861	-.071	.976	.096	1.012	.112	.967	.180	.972	.137			.985	-.138
.881	-.054	1.072	.113			1.000	.078						
.900	-.028	1.110	.075										
.938	.076												
CN =		-.0820		-.1462		-.1782		-.2301		-.2772		-.1789	
CM =		.0993		-.0423		-.0832		-.1076		-.1180		-.0507	

TABLE II-136 CONFIGURATION 136 M = 0.95 Q = 600 $\alpha = -0.07^\circ$ $C_L = 0.0014$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.186												
.057	-.067												
.076	-.168												
.080	-.168	-.658	-.081	-.021	-.014	.023	-.156	.025	-.066	.022	-.143	.018	.208
.085	-.208	-.565	-.202	.035	-.228	.068	-.316	.079	-.182	.075	-.071	.077	-.057
.093	-.139	-.452	-.256	.105	-.241	.134	-.306	.133	-.153	.129	-.101	.129	-.092
.113	.075	-.311	-.342	.178	-.246	.209	-.272	.214	-.148	.201	-.137	.209	-.126
.115	.109	-.023	-.427	.286	-.250	.294	-.189	.295	-.141	.294	-.128	.293	-.159
.137	.065	.133	-.205	.396	-.289	.404	-.178	.407	-.156	.397	-.131	.396	-.192
.138	.086	.272	-.063	.514	-.208	.497	-.224	.502	-.178	.495	-.171	.494	-.231
.163	.059	.416	-.063	.618	-.174	.599	-.205	.601	-.234	.594	-.199	.590	-.281
.162	.066	.565	-.078	.733	-.193	.700	-.223	.698	-.277	.693	-.260	.693	-.223
.209	-.039	.713	-.065	.835	-.159	.782	-.237	.780	-.321	.784	-.348	.777	-.151
.247	-.184	.854	-.088	.919	-.092	.864	-.236	.863	-.288	.856	-.331	.861	-.159
.276	-.270	.980	-.072	.987	.031	.926	-.137	.923	-.156	.926	-.153	.918	-.117
.324	-.342	1.074	-.037			.975	.004	.977	-.006	.977	-.007	.972	.035
.361	-.342	1.122	.022										
.396	-.170												
.438	-.007												
.487	.037												
LOWER SURFACE													
.518	.041	-.658	.005	-.022	.092	.024	-.254	.025	-.479	.019	-.526	.020	-.539
.556	.040	-.615	-.034	.038	-.186	.075	-.478	.074	-.658	.066	-.741	.076	-.774
.574	.043	-.572	-.061	.101	-.274	.137	-.525	.130	-.598	.136	-.701	.136	-.701
.593	.041	-.462	-.154	.185	-.333	.213	-.477	.214	-.472	.214	-.436	.221	-.652
.632	.040	-.329	-.187	.289	-.349	.297	-.420	.298	-.258	.294	-.190	.295	-.358
.670	.022	-.172	-.255	.398	-.384	.400	-.208	.397	-.262	.394	-.115	.396	-.241
.747	-.062	-.030	-.308	.519	-.251	.498	-.179	.501	-.184	.700	.037	.697	-.070
.766	-.128	.128	-.250	.620	-.084	.604	-.121	.603	-.119	.786	.114	.597	.008
.785	-.278	.418	-.215	.737	.075	.705	.053	.703	.064	.858	.161	.702	.126
.804	-.202	.564	-.233	.831	.146	.785	.172	.784	.146	.919	.184	.786	.185
.823	-.215	.710	-.074	.914	.183	.859	.224	.868	.193	.967	.145	.864	.216
.842	-.153	.857	.082	.986	.158	.922	.238	.923	.213			.912	.215
.861	-.095	.976	.150	1.012	.094	.967	.163	.972	.157			.985	.111
.881	-.066	1.072	.156			1.000	.058						
.900	-.046	1.110	.098										
.938	.073												
CN =		.0751		.0656		.0618		.0166		-.0379		-.0327	
CM =		.0208		-.0425		-.0697		-.0884		-.0975		-.0972	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-137 CONFIGURATION 136 M = 0.95 Q = 600 $\alpha = 2.32^\circ$ $C_L = 0.3040$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.160												
.057	-.095												
.076	-.209												
.080	-.176	-.658	-.148	-.021	-.585	.023	-.592	.025	-.634	.022	-.480	.018	-.296
.085	-.236	-.565	-.270	.035	-.616	.068	-.758	.079	-.706	.075	-.558	.077	-.433
.093	-.145	-.452	-.336	.105	-.277	.134	-.625	.133	-.700	.129	-.514	.129	-.381
.113	.061	-.311	-.409	.178	-.398	.209	-.538	.214	-.593	.201	-.295	.209	-.345
.115	.105	-.023	-.466	.286	-.388	.294	-.496	.295	-.535	.294	-.122	.293	-.347
.137	.048	.133	-.374	.396	-.428	.404	-.437	.407	-.201	.397	-.255	.396	-.348
.138	.076	.272	-.115	.514	-.378	.497	-.376	.502	-.114	.495	-.300	.494	-.363
.163	.035	.416	-.095	.618	-.344	.599	-.375	.601	-.186	.594	-.335	.590	-.379
.162	.053	.565	-.132	.733	-.347	.700	-.315	.698	-.276	.693	-.412	.693	-.212
.209	-.062	.713	-.153	.835	-.228	.782	-.185	.780	-.361	.784	-.506	.777	-.141
.247	-.211	.854	-.188	.919	-.074	.864	-.170	.863	-.389	.856	-.277	.861	-.203
.276	-.303	.980	-.197	.987	.021	.926	-.077	.923	-.188	.926	-.124	.918	-.154
.324	-.371	1.074	-.113			.975	.011	.977	-.032	.977	-.042	.972	.013
.361	-.366	1.122	-.024										
.396	-.246												
.438	-.040												
.487	-.016												
.518	-.034	-.658	.041	-.022	.295	.024	.106	.025	-.002	.019	.088	.020	.089
.556	-.064	-.615	.015	.038	.016	.075	-.148	.074	-.169	.066	-.189	.076	-.248
.574	-.004	-.572	-.008	.101	-.096	.137	-.200	.130	-.190	.136	-.156	.136	-.265
.593	.022	-.462	-.102	.185	-.163	.213	-.201	.214	-.183	.214	-.140	.221	-.253
.632	.033	-.329	-.135	.289	-.166	.297	-.209	.298	-.164	.489	-.125	.295	-.249
.670	.020	-.172	-.221	.398	-.180	.400	-.182	.397	-.149	.594	-.091	.396	-.224
.747	-.065	-.030	-.240	.519	-.138	.498	-.156	.501	-.127	.700	.072	.497	-.114
.766	-.128	.128	-.153	.620	-.081	.604	-.086	.603	-.087	.786	.175	.597	-.016
.785	-.273	.418	-.147	.737	.080	.705	.076	.703	.105	.858	.234	.702	.130
.804	-.201	.564	-.099	.831	.181	.785	.192	.784	.236	.919	.253	.786	.215
.823	-.214	.710	.020	.914	.226	.859	.243	.868	.305	.967	.150	.864	.264
.842	-.167	.857	.151	.986	.139	.922	.260	.923	.304			.912	.269
.861	-.102	.976	.194	1.012	.037	.967	.175	.972	.168			.985	.114
.881	-.088	1.072	.165			1.000	.058						
.900	-.074	1.110	.092										
.938	.061												
CM =		.3321		.3368		.3499		.3482		.3018		.2475	
CM =		.0414		-.0305		-.0359		-.0503		-.0646		-.0574	

TABLE II-138 CONFIGURATION 136 M = 0.95 Q = 600 $\alpha = 2.91^\circ$ $C_L = 0.3763$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.010	.140												
.057	-.103												
.076	-.209												
.080	-.178	-.658	-.176	-.021	-.694	.023	-.694	.025	-.698	.022	-.577	.018	-.504
.085	-.244	-.565	-.292	.035	-.785	.068	-.835	.079	-.794	.075	-.770	.077	-.680
.093	-.150	-.452	-.354	.105	-.457	.134	-.729	.133	-.774	.129	-.720	.129	-.556
.113	.055	-.311	-.430	.178	-.335	.209	-.627	.214	-.702	.201	-.668	.209	-.503
.115	.100	-.023	-.479	.286	-.401	.294	-.478	.295	-.650	.294	-.653	.293	-.246
.137	.043	.133	-.405	.396	-.444	.404	-.504	.407	-.555	.397	-.167	.396	-.298
.138	.070	.272	-.145	.514	-.396	.497	-.430	.502	-.373	.495	-.165	.494	-.311
.163	.027	.416	-.093	.618	-.369	.599	-.419	.601	-.156	.594	-.247	.590	-.343
.162	.049	.565	-.127	.733	-.383	.700	-.453	.698	-.194	.693	-.338	.693	-.298
.209	-.077	.713	-.163	.835	-.279	.782	-.216	.780	-.286	.784	-.456	.777	-.168
.247	-.219	.854	-.203	.919	-.104	.864	-.152	.863	-.307	.856	-.444	.861	-.163
.276	-.310	.980	-.237	.987	-.001	.926	-.055	.923	-.177	.926	-.173	.918	-.110
.324	-.382	1.074	-.160			.975	-.000	.977	-.019	.977	-.036	.972	.024
.361	-.372	1.122	-.054										
.396	-.263												
.438	-.048												
.487	-.018												
.518	-.045	-.658	.046	-.022	.305	.024	.158	.025	.064	.019	.132	.020	.198
.556	-.103	-.615	.025	.038	.049	.075	-.087	.074	-.114	.066	-.139	.076	-.124
.574	-.047	-.572	.004	.101	-.047	.137	-.155	.130	-.153	.136	-.122	.136	-.187
.593	.006	-.462	-.089	.185	-.109	.213	-.169	.214	-.157	.214	-.114	.221	-.178
.632	.032	-.329	-.126	.289	-.133	.297	-.167	.298	-.143	.489	-.083	.295	-.190
.670	.019	-.172	-.210	.398	-.162	.400	-.171	.397	-.133	.594	-.064	.396	-.173
.747	-.063	-.030	-.211	.519	-.130	.498	-.143	.501	-.113	.700	.088	.497	-.102
.766	-.131	.128	-.142	.620	-.078	.604	-.087	.603	-.072	.786	.190	.597	-.027
.785	-.268	.418	-.134	.737	.080	.705	.068	.703	.112	.858	.240	.702	.112
.804	-.204	.564	-.080	.831	.179	.785	.187	.784	.246	.919	.261	.786	.199
.823	-.217	.710	.033	.914	.225	.859	.241	.868	.310	.967	.159	.864	.248
.842	-.173	.857	.152	.986	.123	.922	.259	.923	.306			.912	.253
.861	-.112	.976	.195	1.012	.008	.967	.166	.972	.183			.985	.081
.881	-.099	1.072	.159			1.000	.041						
.900	-.078	1.110	.075										
.938	.059												
CM =		.3880		.3968		.4171		.4393		.4131		.3045	
CM =		.0509		-.0269		-.0339		-.0404		-.0495		-.0361	

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

TABLE II-139 CONFIGURATION 136 $M = 0.95$ $Q = 600$ $\alpha = 3.49^\circ$ $C_L = 0.4551$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .480 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
.019 .127						
.057 .110						
.076 .221						
.080 .176						
.085 .254						
.093 .166						
.113 .053						
.115 .101						
.137 .042						
.138 .063						
.163 .027						
.162 .050						
.209 .074						
.247 .224						
.276 .317						
.324 .389						
.361 .379						
.396 .273						
.438 .066						
.487 .014						
.518 .051						
.556 .123						
.574 .096						
.593 .012						
.632 .023						
.670 .020						
.747 .060						
.766 .128						
.785 .259						
.804 .204						
.823 .211						
.842 .177						
.861 .114						
.881 .100						
.900 .083						
.938 .055						
CN =	.4417	.4592	.4955	.5264	.5149	.3966
CM =	.0621	-.0222	-.9288	-.0383	-.0369	-.0154

UPPER SURFACE

LOWER SURFACE

TABLE II-140 CONFIGURATION 136 $M = 0.95$ $Q = 600$ $\alpha = 4.06^\circ$ $C_L = 0.5322$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .480 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
.019 .127						
.057 .116						
.076 .226						
.080 .183						
.085 .256						
.093 .154						
.113 .054						
.115 .098						
.137 .039						
.138 .064						
.163 .026						
.162 .040						
.209 .081						
.247 .233						
.276 .323						
.324 .389						
.361 .380						
.396 .264						
.438 .071						
.487 .019						
.518 .053						
.556 .131						
.574 .132						
.593 .028						
.632 .024						
.670 .018						
.747 .060						
.766 .126						
.785 .255						
.804 .203						
.823 .211						
.842 .175						
.861 .118						
.881 .111						
.900 .087						
.938 .053						
CN =	.4955	.5074	.5470	.6173	.6222	.4778
CM =	.0706	-.0179	-.0241	-.0415	-.0375	-.0035

UPPER SURFACE

LOWER SURFACE

~~CONFIDENTIAL~~

TABLE II-143 CONFIGURATION 136 M = 0.95 Q = 600 $\alpha = 6.07^\circ$ $C_L = 0.7425$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.103												
.057	-.139												
.076	-.243												
.080	-.187	-.658	-.302	-.021	-1.061	.023	-1.026	.025	-1.009	.022	-.947	.018	-.904
.085	-.259	-.565	-.414	.035	-1.201	.068	-1.137	.079	-1.071	.075	-1.057	.077	-1.034
.093	-.172	-.452	-.445	.105	-1.126	.134	-1.092	.133	-1.066	.129	-1.038	.129	-1.004
.113	.048	-.311	-.513	.178	-1.105	.209	-1.035	.214	-1.051	.201	-1.034	.209	-.954
.115	.092	-.023	-.525	.286	-.658	.294	-1.024	.295	-1.002	.294	-.991	.293	-.939
.137	.022	.133	-.440	.396	-.428	.404	-.953	.407	-.975	.397	-.953	.396	-.773
.138	.053	.272	-.315	.514	-.433	.497	-.695	.502	-.926	.495	-.906	.494	-.548
.163	.014	.416	-.201	.618	-.442	.599	-.578	.601	-.828	.594	-.879	.590	-.425
.162	.029	.565	-.179	.733	-.465	.700	-.475	.698	-.589	.693	-.677	.693	-.326
.209	-.100	.713	-.206	.835	-.388	.782	-.321	.780	-.460	.784	-.506	.777	-.264
.247	-.252	.854	-.267	.919	-.165	.864	-.213	.863	-.352	.856	-.399	.861	-.206
.276	-.339	.980	-.315	.987	-.072	.926	-.165	.923	-.250	.926	-.294	.918	-.171
.324	-.401	1.074	-.312			.975	-.131	.977	-.183	.977	-.171	.972	-.155
.361	-.391	1.122	-.171										
.396	-.281												
.438	-.125												
.487	-.052												
.518	-.083	-.658	.075	-.022	.407	.024	.386	.025	.329	.019	.362	.020	.378
.556	-.171	-.615	.081	.038	.233	.075	.154	.074	.115	.066	.100	.076	.064
.574	-.233	-.572	.068	.101	.128	.137	.061	.130	.043	.136	.039	.136	-.026
.593	-.091	-.462	-.006	.185	.064	.213	.012	.214	-.018	.214	-.001	.221	-.073
.632	-.004	-.329	-.036	.289	.022	.297	-.025	.298	-.028	.489	-.048	.255	-.112
.670	.013	-.172	.105	.398	-.021	.400	-.060	.397	-.054	.594	-.055	.396	-.138
.747	-.053	-.030	-.095	.519	-.037	.498	-.069	.501	-.060	.700	.068	.497	-.149
.766	-.123	.128	-.042	.620	-.011	.604	-.059	.603	-.050	.786	.168	.597	-.097
.785	-.234	.418	-.028	.737	.101	.705	.060	.703	.091	.858	.233	.702	.031
.804	-.198	.564	.013	.831	.206	.785	.174	.784	.216	.919	.235	.786	.115
.823	-.198	.710	.101	.914	.235	.859	.234	.868	.283	.967	.091	.864	.161
.842	-.177	.857	.207	.986	.093	.922	.238	.923	.276			.912	.161
.861	-.134	.976	.230	1.012	-.063	.967	.100	.972	.107			.985	-.076
.881	-.130	1.072	.169			1.000	-.097						
.900	-.116	1.110	.059										
.938	.040												
CN =		.6810		.7225		.7578		.8458		.8445		.5850	
CM =		.1017		.0033		-.0208		-.0590		-.0616		-.0016	

TABLE II-144 CONFIGURATION 136 M = 0.95 Q = 600 $\alpha = 6.37^\circ$ $C_L = 0.7543$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.098												
.057	-.135												
.076	-.244												
.080	-.192	-.658	-.330	-.021	-1.091	.023	-1.052	.025	-1.035	.022	-.970	.018	-.873
.085	-.257	-.565	-.426	.035	-1.221	.068	-1.150	.079	-1.101	.075	-1.083	.077	-.964
.093	-.181	-.452	-.458	.105	-1.145	.134	-1.108	.133	-1.090	.129	-1.037	.129	-.942
.113	.049	-.311	-.521	.178	-1.124	.209	-1.054	.214	-1.070	.201	-1.009	.209	-.912
.115	.090	-.023	-.531	.286	-.780	.294	-1.044	.295	-1.021	.294	-.978	.293	-.716
.137	.023	.133	-.443	.396	-.469	.404	-.996	.407	-1.000	.397	-.932	.396	-.557
.138	.051	.272	-.327	.514	-.430	.497	-.756	.502	-.959	.495	-.655	.494	-.464
.163	.013	.416	-.218	.618	-.442	.599	-.609	.601	-.711	.594	-.541	.590	-.395
.162	.030	.565	-.194	.733	-.465	.700	-.467	.698	-.541	.693	-.499	.693	-.312
.209	-.109	.713	-.214	.835	-.395	.782	-.332	.780	-.439	.784	-.415	.777	-.291
.247	-.255	.854	-.272	.919	-.169	.864	-.236	.863	-.331	.856	-.323	.861	-.236
.276	-.344	.980	-.324	.987	-.078	.926	-.183	.923	-.301	.926	-.281	.918	-.216
.324	-.408	1.074	-.321			.975	-.157	.977	-.237	.977	-.229	.972	-.184
.361	-.388	1.122	-.178										
.396	-.277												
.438	-.127												
.487	-.059												
.518	-.083	-.658	.080	-.022	.415	.024	.410	.025	.349	.019	.382	.020	.385
.556	-.178	-.615	.081	.038	.246	.075	.178	.074	.136	.066	.127	.076	.081
.574	-.242	-.572	.076	.101	.146	.137	.072	.130	.058	.136	.055	.136	-.020
.593	-.113	-.462	-.001	.185	.071	.213	.025	.214	.002	.214	.006	.221	-.078
.632	-.002	-.329	-.031	.289	.039	.297	-.012	.298	-.019	.489	-.066	.295	-.114
.670	.016	-.172	-.099	.398	-.009	.400	-.056	.397	-.049	.594	-.081	.396	-.156
.747	-.055	-.030	-.076	.519	-.030	.498	-.064	.501	-.058	.700	.050	.497	-.158
.766	-.120	.128	-.031	.620	-.007	.604	-.059	.603	-.061	.786	.139	.597	-.119
.785	-.238	.418	-.016	.737	.108	.705	.059	.703	.083	.858	.206	.702	.019
.804	-.197	.564	.021	.831	.207	.785	.170	.784	.206	.919	.220	.786	.102
.823	-.203	.710	.110	.914	.237	.859	.229	.868	.269	.967	.072	.864	.148
.842	-.176	.857	.216	.986	.093	.922	.229	.923	.261			.912	.148
.861	-.135	.976	.233	1.012	-.064	.967	.091	.972	.076			.985	-.127
.881	-.135	1.072	.171			1.000	-.125						
.900	-.121	1.110	.057										
.938	.036												
CN =		.7138		.7560		.7866		.8462		.7468		.5152	
CM =		.1071		.0050		-.0220		-.0515		-.0330		-.0022	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-145 CONFIGURATION 136 M = 0.95 Q = 600 $\alpha = 6.98^\circ$ $C_L = 0.7768$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.097												
.057	-.142												
.076	-.249												
.080	-.188	-.658	-.337	-.021	-1.133	.023	-1.092	.025	-1.085	.022	-.941	.018	-.599
.085	-.263	-.565	-.454	.035	-1.259	.068	-1.192	.079	-1.147	.075	-.951	.077	-.570
.093	-.176	-.452	-.475	.105	-1.173	.134	-1.136	.133	-1.130	.129	-.963	.129	-.503
.113	.046	-.311	-.543	.178	-1.151	.209	-1.091	.214	-1.075	.201	-.908	.209	-.446
.115	.088	-.023	-.542	.286	-.896	.294	-1.069	.295	-1.057	.294	-.760	.293	-.444
.137	.019	.133	-.452	.396	-.724	.404	-.969	.407	-1.012	.397	-.647	.396	-.423
.138	.053	.272	-.335	.514	-.520	.497	-.775	.502	-.790	.495	-.549	.494	-.363
.163	.010	.416	-.232	.618	-.433	.599	-.631	.601	-.588	.594	-.494	.590	-.336
.162	.022	-.565	-.208	.733	-.469	.700	-.489	.698	-.485	.693	-.445	.693	-.324
.209	-.110	.713	-.232	.835	-.418	.782	-.376	.780	-.422	.784	-.389	.777	-.297
.247	-.254	.854	-.289	.919	-.202	.864	-.284	.863	-.389	.856	-.374	.861	-.283
.276	-.342	.980	-.333	.987	-.093	.926	-.231	.923	-.347	.926	-.359	.918	-.263
.324	-.413	1.074	-.351			.975	-.194	.977	-.317	.977	-.326	.972	-.257
.361	-.394	1.122	-.183										
.396	-.284												
.438	-.146												
.487	-.064												
LOWER SURFACE													
.518	-.095	-.658	.083	-.022	.431	.024	.446	.025	.379	.019	.406	.020	.407
.556	-.196	-.615	.100	.038	.269	.075	.212	.074	.181	.066	.148	.076	.100
.574	-.260	-.572	.091	.101	.180	.137	.111	.130	.087	.136	.056	.136	-.011
.593	-.142	-.462	.016	.185	.117	.213	.058	.214	.021	.214	.011	.221	-.078
.632	-.007	-.329	-.008	.289	.067	.297	.022	.298	-.007	.489	-.084	.295	-.114
.670	.014	-.172	-.078	.398	.018	.400	-.029	.397	-.048	.594	-.101	.396	-.156
.747	-.055	-.030	-.057	.519	-.010	.498	-.042	.501	-.075	.700	.006	.497	-.178
.766	-.121	.128	-.012	.620	.001	.604	-.052	.603	-.080	.786	.127	.597	-.135
.785	-.241	.418	.003	.737	.113	.705	.061	.703	.051	.858	.192	.702	-.004
.804	-.199	.564	.037	.831	.215	.785	.163	.784	.169	.919	.204	.786	.089
.823	-.201	.710	.120	.914	.241	.859	.221	.868	.238	.967	.037	.864	.141
.862	-.179	.857	.226	.986	.101	.922	.213	.923	.236			.912	.147
.861	-.134	.976	.243	1.012	-.060	.967	.040	.972	.042			.985	-.161
.881	-.141	1.072	.177			1.000	-.207						
.900	-.127	1.110	.055										
.938	.035												
CN =		.7697		.8414		.8263		.8292		.6546		.3636	
CM =		.1179		.0029		-.0229		-.0396		-.0337		-.0245	

TABLE II-146 CONFIGURATION 136 M = 0.95 Q = 600 $\alpha = 9.21^\circ$ $C_L = 0.8773$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.070												
.057	-.148												
.076	-.255												
.090	-.198	-.658	-.458	-.021	-1.260	.023	-1.148	.025	-.757	.022	-.417	.018	-.372
.085	-.280	-.565	-.551	.035	-1.242	.068	-1.126	.079	-.737	.075	-.434	.077	-.389
.093	-.189	-.452	-.558	.105	-1.240	.134	-1.125	.133	-.803	.129	-.427	.129	-.375
.113	.042	-.311	-.598	.178	-1.171	.209	-1.071	.214	-.680	.201	-.417	.209	-.356
.115	.080	-.023	-.563	.286	-1.087	.294	-.974	.295	-.644	.294	-.421	.293	-.338
.137	.015	.133	-.469	.396	-1.069	.404	-.893	.407	-.604	.397	-.402	.396	-.334
.138	.034	.272	-.362	.514	-1.025	.497	-.794	.502	-.600	.495	-.391	.494	-.325
.163	.008	.416	-.308	.618	-.978	.599	-.770	.601	-.540	.594	-.397	.590	-.321
.162	.015	.565	-.279	.733	-.633	.700	-.735	.698	-.529	.693	-.407	.693	-.306
.209	-.126	.713	-.287	.835	-.421	.782	-.696	.780	-.515	.784	-.378	.777	-.302
.247	-.271	.854	-.344	.919	-.264	.864	-.635	.863	-.506	.856	-.368	.861	-.290
.276	-.356	.980	-.394	.987	-.078	.926	-.616	.923	-.496	.926	-.370	.918	-.292
.324	-.416	1.074	-.416			.975	-.564	.977	-.472	.977	-.358	.972	-.283
.361	-.383	1.122	-.235										
.396	-.282												
.438	-.184												
.487	-.109												
LOWER SURFACE													
.518	-.142	-.658	.097	-.022	.458	.024	.513	.025	.481	.019	.482	.020	.437
.556	-.232	-.615	.125	.038	.359	.075	.324	.074	.291	.066	.229	.076	.158
.574	-.310	-.572	.130	.101	.277	.137	.221	.130	.189	.136	.136	.136	.039
.593	-.232	-.462	.082	.185	.193	.213	.142	.214	.108	.214	.066	.221	-.041
.632	-.001	-.329	.050	.289	.141	.297	.098	.298	.058	.489	-.083	.295	-.093
.670	.017	-.172	.004	.398	.085	.400	.040	.397	.000	.594	-.123	.396	-.155
.747	-.075	-.030	.014	.519	.058	.498	.007	.501	-.047	.700	-.004	.497	-.197
.766	-.140	.128	.059	.620	.061	.604	-.015	.603	-.087	.786	.091	.597	-.173
.785	-.277	.418	.064	.737	.145	.705	.055	.703	.023	.858	.166	.702	-.044
.804	-.207	.564	.100	.831	.241	.785	.153	.784	.136	.919	.179	.786	.046
.823	-.212	.710	.175	.914	.262	.859	.201	.868	.211	.967	-.004	.864	.100
.862	-.195	.857	.264	.986	.113	.922	.184	.923	.194			.912	.107
.861	-.154	.976	.278	1.012	-.051	.967	-.024	.972	-.023			.985	-.203
.881	-.156	1.072	.197			1.000	-.513						
.900	-.148	1.110	.066										
.938	.026												
CN =		.9716		1.1098		.9748		.6920		.4531		.2982	
CM =		.1526		-.0393		-.0755		-.0626		-.0487		-.0239	

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-147 CONFIGURATION 136 M = 0.95 Q = 600 $\alpha = 11.45^\circ$ $C_L = 1.0556$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.049												
.057	-.161												
.076	-.263												
.080	-.199	-.658	-.585	-.021	-1.291	.023	-1.141	.025	-.502	.022	-.456	.018	-.396
.085	-.265	-.565	-.693	.035	-1.244	.068	-1.138	.079	-.499	.075	-.460	.077	-.401
.093	-.188	-.452	-.635	.105	-1.258	.134	-1.119	.133	-.501	.129	-.457	.129	-.399
.113	.040	-.311	-.662	.178	-1.226	.209	-1.034	.214	-.493	.201	-.457	.209	-.383
.115	.069	-.023	-.586	.286	-1.220	.294	-.933	.295	-.504	.294	-.455	.293	-.382
.137	.015	.133	-.483	.396	-1.246	.404	-.869	.407	-.507	.397	-.449	.396	-.367
.138	.029	.272	-.400	.514	-1.272	.497	-.827	.502	-.523	.495	-.446	.494	-.357
.163	.007	.416	-.382	.618	-1.229	.599	-.790	.601	-.523	.594	-.446	.590	-.346
.162	.001	.565	-.371	.733	-1.230	.700	-.755	.698	-.514	.693	-.444	.693	-.349
.209	-.134	.713	-.378	.835	-.977	.782	-.717	.780	-.507	.784	-.429	.777	-.346
.247	-.279	.854	-.407	.919	-.365	.864	-.689	.863	-.507	.856	-.425	.861	-.343
.276	-.365	.980	-.442	.987	-.166	.926	-.645	.923	-.505	.926	-.418	.918	-.343
.324	-.421	1.074	-.498			.975	-.622	.977	-.496	.977	-.408	.972	-.330
.361	-.381	1.122	-.297										
.396	-.275												
.438	-.205												
.487	-.159												
.518	-.191	-.658	.114	-.022	.471	.024	.573	.025	.544	.019	.524	.020	.487
.556	-.292	-.615	.172	.038	.446	.075	.410	.074	.365	.066	.308	.076	.249
.574	-.354	-.572	.190	.101	.365	.137	.314	.130	.264	.136	.210	.136	.123
.593	-.300	-.462	.154	.185	.293	.213	.235	.214	.171	.214	.125	.221	.023
.632	.012	-.329	.137	.289	.234	.297	.175	.298	.111	.489	-.042	.295	-.038
.670	.011	-.172	.094	.398	.170	.400	.109	.397	.046	.594	-.087	.396	-.114
.747	-.104	-.030	.093	.519	.126	.498	.062	.501	-.014	.700	.014	.497	-.172
.766	-.168	.128	.132	.620	.113	.604	.016	.603	-.068	.786	.106	.597	-.160
.785	-.308	.418	.137	.737	.189	.705	.060	.703	.031	.858	.177	.702	-.062
.804	-.231	.564	.169	.831	.270	.785	.151	.784	.143	.919	.190	.786	.006
.823	-.213	.710	.235	.914	.280	.859	.208	.868	.211	.967	-.004	.864	.048
.842	-.200	.857	.329	.986	.118	.922	.186	.923	.197			.912	.040
.861	-.172	.976	.328	-1.012	-.045	.967	-.031	.972	-.017			.985	-.333
.881	-.180	1.072	.231			1.000	-.578						
.900	-.192	1.110	.087										
.938	-.012												
CN =		1.2114		1.4092		1.0273		.6318		.5352		.3465	
CM =		.1916		-.0996		-.0801		-.0738		-.0564		-.0175	

TABLE II-148 CONFIGURATION 136 M = 0.95 Q = 600 $\alpha = 13.57^\circ$ $C_L = 1.1376$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.029												
.057	-.167												
.076	-.264												
.080	-.199	-.658	-.722	-.021	-1.208	.023	-.722	.025	-.585	.022	-.472	.018	-.413
.085	-.210	-.565	-.920	.035	-1.201	.068	-.738	.079	-.579	.075	-.486	.077	-.417
.093	-.181	-.452	-.737	.105	-1.188	.134	-.695	.133	-.581	.129	-.481	.129	-.414
.113	.041	-.311	-.712	.178	-1.205	.209	-.695	.214	-.585	.201	-.478	.209	-.410
.115	.057	-.023	-.595	.286	-1.244	.294	-.760	.295	-.578	.294	-.476	.293	-.397
.137	.015	.133	-.458	.396	-1.273	.404	-.775	.407	-.571	.397	-.468	.396	-.387
.138	.010	.272	-.385	.514	-1.150	.497	-.771	.502	-.563	.495	-.462	.494	-.386
.163	.006	.416	-.376	.618	-1.070	.599	-.751	.601	-.556	.594	-.450	.590	-.385
.162	-.022	.565	-.408	.733	-.992	.700	-.719	.698	-.543	.693	-.451	.693	-.382
.209	-.147	.713	-.460	.835	-.992	.782	-.699	.780	-.523	.784	-.448	.777	-.377
.247	-.285	.854	-.520	.919	-.905	.864	-.678	.863	-.523	.856	-.444	.861	-.369
.276	-.368	.980	-.504	.987	-.820	.926	-.658	.923	-.518	.926	-.441	.918	-.362
.324	-.435	1.074	-.409			.975	-.648	.977	-.506	.977	-.425	.972	-.357
.361	-.392	1.122	-.212										
.396	-.277												
.438	-.238												
.487	-.205												
.518	-.249	-.658	.121	-.022	.451	.024	.593	.025	.582	.019	.566	.020	.525
.556	-.340	-.615	.190	.038	.494	.075	.480	.074	.431	.066	.393	.076	.311
.574	-.388	-.572	.227	.101	.428	.137	.374	.130	.331	.136	.284	.136	.182
.593	-.181	-.462	.215	.185	.353	.213	.293	.214	.241	.214	.198	.221	.085
.632	-.038	-.329	.200	.289	.291	.297	.219	.298	.169	.489	.006	.295	.021
.670	-.026	-.172	.156	.398	.219	.400	.142	.397	.097	.594	-.047	.396	-.056
.747	-.111	-.030	.160	.519	.171	.498	.086	.501	.038	.700	.038	.497	-.129
.766	-.180	.128	.188	.620	.145	.604	.033	.603	-.026	.786	.120	.597	-.133
.785	-.319	.418	.190	.737	.196	.705	.056	.703	.056	.858	.194	.702	-.041
.804	-.248	.564	.203	.831	.262	.785	.152	.784	.158	.919	.195	.786	.034
.823	-.232	.710	.273	.914	.256	.859	.209	.868	.226	.967	-.007	.864	.083
.842	-.214	.857	.356	.986	.013	.922	.184	.923	.209			.912	.079
.861	-.185	.976	.348	-1.012	-.632	.967	-.028	.972	-.016			.985	-.265
.881	-.205	1.072	.250			1.000	-.627						
.900	-.237	1.110	.089										
.938	-.080												
CN =		1.3731		1.4409		.9163		.7226		.5952		.4165	
CM =		.2474		-.1291		-.0988		-.0743		-.0577		-.0273	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-149 CONFIGURATION 136 M = 0.95 Q = 600 $\alpha = 14.78^{\circ}$ $C_L = 1.1987$ $\beta = 0^{\circ}$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.012												
.057	-.176												
.076	-.269												
.080	-.201	-.658	-.782	-.021	-1.197	.023	-.762	.025	-.599	.022	-.479	.018	-.422
.085	-.167	-.565	-1.010	.035	-1.194	.068	-.691	.079	-.602	.075	-.491	.077	-.427
.093	-.170	-.452	-.842	.105	-1.177	.134	-.689	.133	-.594	.129	-.483	.129	-.414
.113	.040	-.311	-.756	.178	-1.194	.209	-.712	.214	-.599	.201	-.474	.209	-.409
.115	.038	-.023	-.580	.286	-1.226	.294	-.756	.295	-.590	.294	-.476	.293	-.407
.137	.022	.133	-.458	.396	-1.153	.404	-.770	.407	-.578	.397	-.471	.396	-.404
.138	-.000	.272	-.394	.514	-1.052	.497	-.772	.502	-.573	.495	-.462	.494	-.400
.163	.002	.416	-.382	.618	-1.064	.599	-.745	.601	-.567	.594	-.463	.590	-.397
.162	-.022	.565	-.406	.733	-1.039	.700	-.712	.698	-.554	.693	-.458	.693	-.394
.209	-.154	.713	-.449	.835	-.996	.782	-.698	.780	-.541	.784	-.450	.777	-.387
.247	-.296	.854	-.531	.919	-.915	.864	-.671	.863	-.542	.856	-.446	.861	-.383
.276	-.373	.980	-.440	.987	-.920	.926	-.658	.923	-.524	.926	-.438	.918	-.373
.324	-.448	1.074	-.411			.975	-.648	.977	-.515	.977	-.435	.972	-.366
.361	-.400	1.122	-.393										
.396	-.285												
.438	-.258												
.487	-.237												
LOWER SURFACE													
.518	-.276	-.658	.127	-.022	.426	.024	.594	.025	.589	.019	.580	.020	.536
.556	-.303	-.615	.205	.038	.512	.075	.515	.074	.465	.066	.430	.076	.346
.574	-.297	-.572	.256	.101	.455	.137	.411	.130	.368	.136	.315	.136	.221
.593	-.324	-.462	.247	.185	.378	.213	.322	.214	.271	.214	.234	.221	.119
.632	-.053	-.329	.229	.289	.317	.297	.257	.298	.197	.298	.030	.295	.056
.670	-.021	-.172	.189	.398	.241	.400	.167	.397	.128	.594	-.026	.396	-.027
.747	-.121	-.030	.189	.519	.191	.498	.108	.501	.056	.700	.050	.497	-.101
.766	-.178	.128	.213	.620	.161	.604	.043	.603	-.010	.786	.129	.597	-.103
.785	-.323	.418	.223	.737	.203	.705	.080	.703	.067	.858	.204	.702	-.028
.804	-.263	.564	.232	.831	.267	.785	.160	.784	.170	.919	.207	.786	.039
.823	-.226	.710	.290	.914	.258	.859	.216	.868	.234	.967	.002	.864	.088
.842	-.727	.857	.372	.986	.007	.922	.189	.923	.221			.912	.079
.861	-.199	.976	.356	1.012	-.753	.967	-.024	.972	-.014			.985	-.271
.881	-.219	1.072	.247			1.000	-.616						
.900	-.259	1.110	.080										
.938	-.136												
CN =		1.4497		1.4375		.9326		.7539		.6202		.4483	
CM =		.2842		-.1339		-.0985		-.0762		-.0592		-.0296	

TABLE II-150 CONFIGURATION 138 M = 0.95 Q = 600 $\alpha = 10.26^{\circ}$ $C_L = 0.9732$ $\beta = 0^{\circ}$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.006												
.057	-.139												
.076	-.247												
.080	-.111	-.658	-.377	-.021	-1.265	.023	-1.139	.025	-.690	.022	-.461	.018	-.393
.085	-.095	-.565	-.716	.035	-1.217	.068	-1.136	.079	-.657	.075	-.456	.077	-.407
.093	-.049	-.452	-.631	.105	-1.237	.134	-1.129	.133	-.652	.129	-.455	.129	-.403
.113	-.012	-.311	-.636	.178	-1.187	.209	-1.065	.214	-.607	.201	-.443	.209	-.383
.115	-.011	-.023	-.546	.286	-1.154	.294	-.951	.295	-.604	.294	-.443	.293	-.374
.137	-.020	.133	-.454	.396	-1.172	.404	-.855	.407	-.563	.397	-.438	.396	-.367
.139	-.026	.272	-.372	.514	-1.167	.497	-.817	.502	-.555	.495	-.428	.494	-.354
.163	-.025	.416	-.355	.618	-1.133	.599	-.766	.601	-.536	.594	-.420	.590	-.345
.162	-.016	.565	-.344	.733	-1.095	.700	-.746	.698	-.524	.693	-.412	.693	-.337
.209	-.172	.713	-.343	.835	-.847	.782	-.703	.780	-.519	.784	-.404	.777	-.334
.247	-.297	.854	-.394	.919	-.295	.864	-.684	.863	-.511	.856	-.397	.861	-.328
.276	-.361	.980	-.421	.987	-.104	.926	-.647	.923	-.499	.926	-.391	.918	-.322
.324	-.401	1.074	-.460			.975	-.596	.977	-.483	.977	-.384	.972	-.318
.361	-.367	1.122	-.275										
.396	-.245												
.438	-.209												
.487	-.144												
LOWER SURFACE													
.518	-.184	-.658	.102	-.022	.477	.024	.559	.025	.492	.019	.472	.020	.456
.556	-.275	-.615	.150	.038	.402	.075	.371	.074	.314	.066	.247	.076	.199
.574	-.351	-.572	.155	.101	.317	.137	.261	.130	.212	.136	.151	.136	.074
.593	-.262	-.462	.126	.185	.244	.213	.183	.214	.132	.214	.087	.221	-.014
.670	.000	-.329	.081	.289	.190	.297	.123	.298	.073	.292	.026	.295	-.065
.708	-.016	-.172	.037	.519	.068	.400	.065	.397	.020	.489	-.060	.396	-.145
.747	-.083	-.030	.038	.620	.076	.498	.012	.501	-.050	.594	-.119	.497	-.208
.785	-.748	.128	.081	.737	.177	.604	-.021	.603	-.097	.700	-.099	.597	-.192
.804	-.207	.418	.102	.831	.250	.705	.044	.703	.009	.786	.089	.702	-.064
.823	-.204	.564	.128	.914	.271	.785	.139	.784	.123	.858	.167	.786	.034
.861	-.159	.710	.201	.986	.101	.859	.198	.868	.189	.919	.170	.864	.100
.900	-.153	.857	.301	1.012	-.044	.967	-.048	.923	.172			.912	.089
.938	.013	.976	.300			1.000	-.566	.972	-.053			.985	-.178
		1.072	.202										
		1.110	.062										
CN =		1.0861		1.2836		.9851		.6573		.4867		.3338	
CM =		.1685		-.0772		-.0719		-.0631		-.0521		-.0257	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-151 CONFIGURATION 138 M = 0.95 Q = 600 $\alpha = 12.60^\circ$ $C_L = 1.1201$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 -.026						
.057 -.151						
.076 -.239						
.080 -.114						
.085 -.095	-.658 -.466	-.021 -1.176	.023 -1.141	.025 -.491	.022 -.486	.018 -.422
.093 -.062	-.565 -.870	.035 -1.172	.068 -1.133	.079 -.487	.075 -.491	.077 -.422
.113 -.012	-.452 -.724	.105 -1.161	.134 -1.102	.133 -.503	.129 -.482	.129 -.425
.115 -.028	-.311 -.708	.178 -1.166	.209 -.945	.214 -.537	.201 -.478	.209 -.421
.137 -.015	-.023 -.543	.286 -1.210	.294 -.888	.295 -.537	.294 -.479	.293 -.413
.138 -.047	.133 -.421	.396 -1.245	.404 -.844	.407 -.536	.397 -.475	.396 -.408
.163 -.023	.272 -.366	.514 -1.285	.497 -.839	.502 -.541	.495 -.476	.494 -.406
.162 -.031	.416 -.359	.618 -1.225	.599 -.764	.601 -.540	.594 -.467	.590 -.396
.209 -.189	.565 -.373	.733 -1.346	.700 -.731	.698 -.530	.693 -.466	.693 -.392
.247 -.308	.713 -.414	.835 -1.155	.782 -.709	.780 -.534	.784 -.470	.777 -.389
.276 -.372	.854 -.474	.919 -.866	.864 -.672	.863 -.531	.856 -.466	.861 -.382
.324 -.424	.980 -.515	.987 -.617	.926 -.636	.923 -.518	.926 -.457	.918 -.381
.361 -.381	1.074 -.539		.975 -.611	.977 -.515	.977 -.437	.972 -.370
.396 -.250	1.122 -.345					
.438 -.244						
.487 -.191						
.518 -.233	-.658 .123	-.022 .481	.024 .602	.025 .545	.019 .524	.020 .491
.556 -.327	-.615 .208	.038 .497	.075 .471	.074 .399	.066 .331	.076 .273
.574 -.410	-.572 .216	.101 .417	.137 .356	.130 .288	.136 .234	.136 .147
.593 -.386	-.462 .197	.185 .338	.213 .262	.214 .200	.214 .154	.221 .045
.670 -.018	-.329 .172	.289 .279	.297 .212	.298 .144	.292 .090	.295 -.007
.708 -.057	-.172 .113	.519 .147	.400 .129	.397 .071	.489 -.013	.396 -.095
.747 -.130	-.030 .133	.620 .132	.498 .073	.501 .003	.594 -.075	.497 -.169
.785 -.321	.128 .160	.737 .214	.604 .022	.603 -.055	.700 .013	.597 -.170
.804 -.246	.418 .184	.831 .279	.705 .068	.703 .036	.786 .091	.702 -.083
.823 -.221	.564 .196	.914 .282	.785 .151	.784 .139	.858 .169	.786 -.005
.861 -.184	.710 .265	.986 .040	.859 .216	.868 .202	.919 .176	.864 .046
.900 -.210	.857 .360	1.012 -.235	.967 -.034	.923 .192		.912 .041
.938 -.031	.976 .352		1.000 -.622	.972 -.053		.985 -.293
	1.072 .241					
	1.110 .090					
CN =	1.3007	1.4961	1.0187	.6628	.5742	.3932
CM =	.2054	-.1531	-.0738	-.0754	-.0609	-.0240

TABLE II-152 CONFIGURATION 138 M = 0.95 Q = 600 $\alpha = 14.83^\circ$ $C_L = 1.2210$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 -.053						
.057 -.156						
.076 -.223						
.080 -.113	-.658 -.556	-.021 -1.164	.023 -.954	.025 -.600	.022 -.509	.018 -.439
.085 -.088	-.565 -1.028	.035 -1.163	.068 -.781	.079 -.594	.075 -.507	.077 -.450
.093 -.070	-.452 -.992	.105 -1.151	.134 -.724	.133 -.586	.129 -.511	.129 -.442
.113 -.009	-.311 -.809	.178 -1.173	.209 -.766	.214 -.588	.201 -.502	.209 -.434
.115 -.050	-.023 -.535	.286 -1.226	.294 -.816	.295 -.592	.294 -.504	.293 -.428
.137 -.017	.133 -.429	.396 -1.273	.404 -.764	.407 -.579	.397 -.498	.396 -.429
.138 -.052	.272 -.379	.514 -1.191	.497 -.748	.502 -.581	.495 -.498	.494 -.416
.163 -.022	.416 -.387	.618 -1.123	.599 -.739	.601 -.567	.594 -.497	.590 -.415
.162 -.042	.565 -.406	.733 -1.040	.700 -.715	.698 -.565	.693 -.489	.693 -.417
.209 -.194	.713 -.425	.835 -1.033	.782 -.699	.780 -.557	.784 -.480	.777 -.413
.247 -.318	.854 -.529	.919 -.979	.864 -.679	.863 -.547	.856 -.479	.861 -.405
.276 -.383	.980 -.569	.987 -.969	.926 -.671	.923 -.542	.926 -.472	.918 -.402
.324 -.443	1.074 -.549		.975 -.653	.977 -.532	.977 -.464	.972 -.390
.361 -.399	1.122 -.348					
.396 -.264						
.438 -.283						
.487 -.244						
.518 -.293	-.658 .127	-.022 .454	.024 .627	.025 .578	.019 .549	.020 .513
.556 -.378	-.615 .223	.038 .536	.075 .527	.074 .441	.066 .398	.076 .335
.574 -.428	-.572 .267	.101 .482	.137 .413	.130 .350	.136 .294	.136 .207
.593 -.271	-.462 .260	.185 .398	.213 .336	.214 .253	.214 .217	.221 .116
.670 -.036	-.329 .246	.289 .326	.297 .273	.298 .192	.292 .152	.295 .043
.708 -.069	-.172 .193	.519 .194	.400 .172	.397 .116	.489 .034	.396 -.043
.747 -.148	-.030 .193	.620 .163	.498 .107	.501 .042	.594 -.045	.497 -.107
.785 -.339	.128 .221	.737 .225	.604 .043	.603 -.023	.700 .032	.597 -.126
.804 -.306	.418 .234	.831 .274	.705 .079	.703 .048	.786 .114	.702 -.046
.823 -.237	.564 .249	.914 .262	.785 .169	.784 .152	.858 .186	.786 .019
.861 -.205	.710 .303	.986 -.022	.859 .225	.868 .219	.919 .187	.864 .066
.900 -.265	.857 .390	1.012 -.865	.967 -.033	.923 .197		.912 .064
.938 -.117	.976 .372		1.000 -.668	.972 -.050		.985 -.247
	1.072 .256					
	1.110 .088					
CN =	1.4925	1.4890	.9583	.7409	.6346	.4579
CM =	.2791	-.1451	-.0891	-.0754	-.0638	-.0314

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-153 CONFIGURATION 138 M = 0.95 Q = 600 $\alpha = 17.13^\circ$ $C_L = 1.3360$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	-.066												
.057	-.157												
.076	-.192												
.080	-.113	-.658	-.631	-.021	-1.167	.023	-.884	.025	-.589	.022	-.527	.018	-.439
.085	-.079	-.565	-1.158	.035	-1.176	.068	-.841	.079	-.585	.075	-.530	.077	-.443
.093	-.091	-.452	-1.190	.105	-1.172	.134	-.814	.133	-.593	.129	-.524	.129	-.439
.113	-.007	-.311	-1.173	.178	-1.155	.209	-.762	.214	-.595	.201	-.528	.209	-.434
.115	-.061	-.023	-.576	.286	-1.098	.294	-.753	.295	-.588	.294	-.522	.293	-.438
.137	-.009	.133	-.476	.396	-1.086	.404	-.749	.407	-.591	.397	-.511	.396	-.433
.138	-.070	.272	-.444	.514	-1.080	.497	-.731	.502	-.583	.495	-.509	.494	-.429
.163	-.023	.416	-.458	.618	-1.094	.599	-.705	.601	-.581	.594	-.500	.590	-.425
.162	-.056	.565	-.466	.733	-1.085	.700	-.698	.698	-.570	.693	-.499	.693	-.420
.209	-.206	.713	-.480	.835	-1.022	.782	-.684	.780	-.566	.784	-.488	.777	-.422
.247	-.330	.854	-.496	.919	-1.059	.864	-.671	.863	-.561	.856	-.486	.861	-.419
.276	-.396	.980	-.470	.987	-1.058	.926	-.651	.923	-.557	.926	-.480	.918	-.410
.324	-.470	1.074	-.566			.975	-.645	.977	-.552	.977	-.469	.972	-.399
.361	-.437	1.122	-.658										
.356	-.299												
.438	-.329												
.487	-.299												
.518	-.349	-.658	.137	-.022	.413	.024	.628	.025	.592	.019	.559	.020	.526
.556	-.269	-.615	.261	.038	.578	.075	.586	.074	.506	.066	.460	.076	.396
.574	-.349	-.572	.324	.101	.531	.137	.484	.130	.416	.136	.365	.136	.273
.593	-.486	-.462	.339	.185	.464	.213	.396	.214	.319	.214	.278	.221	.174
.670	-.016	-.329	.317	.289	.400	.297	.326	.298	.252	.292	.212	.295	.108
.708	-.069	-.172	.270	.519	.245	.400	.232	.397	.166	.489	.082	.396	.020
.747	-.148	-.030	.265	.620	.204	.498	.152	.501	.092	.594	.007	.497	-.060
.785	-.363	.128	.291	.737	.256	.604	.084	.603	.024	.700	.060	.597	-.090
.804	-.347	.418	.289	.831	.292	.705	.107	.703	.081	.786	.133	.702	-.026
.823	-.239	.564	.299	.914	.273	.785	.190	.784	.173	.858	.203	.786	.028
.861	-.247	.710	.349	.986	-.008	.859	.244	.868	.231	.919	.197	.864	.075
.900	-.320	.857	.425	1.012	-.976	.967	-.024	.923	.206			.912	.066
.938	-.206	.976	.396			1.000	-.661	.972	-.038			.985	-.260
		1.072	.266										
		1.110	.092										
CN =		1.7631		1.4963		.9866		.7890		.6882		.5007	
CM =		.3908		-.1529		-.0870		-.0802		-.0658		-.0332	

TABLE II-154 CONFIGURATION 138 M = 0.95 Q = 600 $\alpha = 19.45^\circ$ $C_L = 1.4554$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	-.072												
.057	-.150												
.076	-.169												
.080	-.122	-.658	-.698	-.021	-1.190	.023	-.978	.025	-.574	.022	-.517	.018	-.467
.085	-.064	-.565	-1.246	.035	-1.201	.068	-.952	.079	-.571	.075	-.521	.077	-.463
.093	-.099	-.452	-1.274	.105	-1.194	.134	-.907	.133	-.575	.129	-.513	.129	-.460
.113	-.012	-.311	-1.297	.178	-1.151	.209	-.861	.214	-.575	.201	-.519	.209	-.450
.115	-.082	-.023	-1.137	.286	-1.025	.294	-.811	.295	-.585	.294	-.520	.293	-.454
.137	-.011	.133	-.775	.396	-1.070	.404	-.768	.407	-.585	.397	-.521	.396	-.456
.138	-.084	.272	-.648	.514	-1.104	.497	-.745	.502	-.580	.495	-.518	.494	-.453
.163	-.011	.416	-.602	.618	-1.132	.599	-.724	.601	-.575	.594	-.519	.590	-.450
.162	-.069	.565	-.500	.733	-1.064	.700	-.707	.698	-.567	.693	-.520	.693	-.453
.209	-.213	.713	-.545	.835	-1.032	.782	-.687	.780	-.558	.784	-.519	.777	-.440
.247	-.341	.854	-.523	.919	-1.096	.864	-.678	.863	-.554	.856	-.512	.861	-.436
.276	-.426	.980	-.613	.987	-1.118	.926	-.658	.923	-.549	.926	-.503	.918	-.437
.324	-.514	1.074	-.684			.975	-.652	.977	-.554	.977	-.491	.972	-.425
.361	-.479	1.122	-.773										
.396	-.349												
.438	-.381												
.447	-.362												
.518	-.330	-.658	.156	-.022	.368	.024	.628	.025	.588	.019	.562	.020	.527
.556	-.311	-.615	.301	.038	.608	.075	.628	.074	.553	.066	.510	.076	.453
.574	-.450	-.572	.361	.101	.590	.137	.545	.130	.473	.136	.420	.136	.333
.593	-.595	-.462	.407	.185	.525	.213	.455	.214	.384	.214	.341	.221	.235
.670	-.001	-.329	.386	.289	.461	.297	.388	.298	.315	.292	.263	.295	.163
.708	-.061	-.172	.351	.519	.300	.400	.294	.397	.228	.489	.133	.396	.073
.747	-.178	-.030	.342	.620	.257	.498	.210	.501	.150	.594	.057	.497	-.010
.785	-.370	.128	.359	.737	.293	.604	.138	.603	.080	.700	.098	.597	-.050
.804	-.381	.418	.357	.831	.324	.705	.143	.703	.117	.786	.155	.702	-.008
.823	-.302	.564	.360	.914	.306	.785	.220	.784	.205	.858	.222	.786	.042
.861	-.263	.710	.405	.986	.013	.859	.273	.868	.256	.919	.214	.864	.083
.900	-.330	.857	.463	1.012	-1.046	.967	-.000	.923	.232			.912	.067
.938	-.399	.976	.438			1.000	-.662	.972	-.024			.985	-.269
		1.072	.294										
		1.110	.111										
CN =		2.1990		1.5476		1.0696		.8265		.7385		.5579	
CM =		.4764		-.1629		-.0878		-.0846				-.0374	

ORIGINAL PAGE IS
OF POOR QUALITY
OF POOR QUALITY

~~CONFIDENTIAL~~

TABLE II-155 CONFIGURATION 138

CN =	2.4163	1.5853	1.1218	.8534	.7631	.5895
CM =	.4931	-.1639	-.0925	-.0882	-.0789	-.0402

TABLE II-156 CONFIGURATION 138

CN =	2.5910	1.6055	1.1584	.8772	.7894	.6161
CM =	.4936	-.1661	-.0973	-.0908	-.0815	-.0431

~~CONFIDENTIAL~~

TABLE II-159 CONFIGURATION 136 M = 0.90 Q = 1000 $\alpha = 2.77^\circ$ $C_L = 0.3380$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.131												
.057	-.109												
.076	-.178												
.080	-.151	-.658	-.180	-.021	-.573	.023	-.813	.025	-.833	.022	-.535	.018	-.439
.085	-.162	-.565	-.294	.035	-.687	.068	-.966	.079	-.854	.075	-.579	.077	-.485
.093	-.137	-.452	-.363	.105	-.531	.134	-.829	.133	-.450	.129	-.414	.129	-.433
.113	.040	-.311	-.443	.178	-.505	.209	-.578	.214	-.329	.201	-.388	.209	-.340
.115	.085	-.023	-.378	.286	-.463	.294	-.460	.295	-.334	.294	-.303	.293	-.311
.137	.022	.133	-.244	.396	-.459	.404	-.260	.407	-.331	.397	-.286	.396	-.258
.138	.048	.272	-.205	.514	-.359	.497	-.262	.502	-.302	.495	-.303	.494	-.238
.163	.014	.416	-.184	.618	-.255	.599	-.266	.601	-.323	.594	-.305	.590	-.232
.162	.035	.565	-.192	.733	-.217	.700	-.299	.698	-.326	.693	-.348	.693	-.250
.209	-.090	.713	-.159	.835	-.164	.782	-.284	.780	-.353	.784	-.381	.777	-.255
.247	-.237	.854	-.145	.919	-.087	.864	-.253	.863	-.285	.856	-.303	.861	-.216
.276	-.315	.980	-.119	.987	.006	.926	-.136	.923	-.159	.926	-.158	.918	-.153
.324	-.383	1.074	-.066			.975	-.027	.977	-.041	.977	-.029	.972	-.001
.361	-.234	1.122	-.005										
.396	-.162												
.438	-.115												
.487	-.049												
LOWER SURFACE													
.518	-.014	-.658	.024	-.022	.290	.024	.158	.025	.102	.019	.128	.020	.122
.556	.013	-.615	.020	.038	.038	.075	-.078	.074	-.097	.066	-.142	.076	-.185
.574	.017	-.572	-.006	.101	-.066	.137	-.126	.130	-.135	.136	-.145	.136	-.221
.593	.016	-.462	-.075	.185	-.122	.213	-.154	.214	-.132	.214	-.149	.221	-.201
.632	.020	-.329	-.112	.289	-.127	.297	-.136	.298	-.128	.489	-.110	.295	-.186
.670	.009	-.172	-.183	.398	-.133	.400	-.152	.397	-.132	.594	-.083	.396	-.120
.747	-.075	-.030	-.168	.519	-.120	.498	-.124	.501	-.108	.700	.075	.497	-.102
.766	-.136	.128	-.125	.620	-.058	.604	-.080	.603	-.083	.786	.171	.597	-.029
.785	-.231	.418	-.118	.737	.089	.705	.058	.703	.083	.858	.236	.702	.108
.804	-.217	.564	-.077	.831	.190	.785	.174	.784	.201	.919	.260	.786	.198
.823	-.210	.710	.039	.914	.226	.859	.228	.868	.264	.967	.160	.864	.246
.842	-.176	.857	.161	.986	.135	.922	.243	.923	.269			.912	.250
.861	-.099	.976	.201	1.012	.042	.957	.150	.972	.155			.985	.064
.881	-.068	1.072	.171			1.000	.028						
.900	-.036	1.110	.094										
.938	.059												
CN =		.3693		.3727		.3861		.3636		.3204		.2557	
CM =		.0601		-.0128		-.0237		-.0473		-.0572		-.0474	

TABLE II-160 CONFIGURATION 136 M = 0.90 Q = 1000 $\alpha = 3.56^\circ$ $C_L = 0.4299$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.122												
.057	-.118												
.076	-.192												
.080	-.148	-.658	-.190	-.021	-.909	.023	-.928	.025	-.913	.022	-.796	.018	-.686
.085	-.163	-.565	-.328	.035	-.728	.068	-1.035	.079	-1.119	.075	-.874	.077	-.763
.093	-.136	-.452	-.391	.105	-.619	.134	-.999	.133	-.982	.129	-.860	.129	-.696
.113	.034	-.311	-.466	.178	-.559	.209	-.973	.214	-.710	.201	-.379	.209	-.380
.115	.082	-.023	-.378	.286	-.549	.294	-.619	.295	-.293	.294	-.341	.293	-.357
.137	.024	.133	-.286	.396	-.530	.404	-.314	.407	-.261	.397	-.347	.396	-.256
.138	.050	.272	-.221	.514	-.410	.497	-.251	.502	-.296	.495	-.337	.494	-.243
.163	.007	.416	-.214	.618	-.285	.599	-.234	.601	-.326	.594	-.327	.590	-.238
.162	.031	.565	-.216	.733	-.210	.700	-.250	.698	-.351	.693	-.350	.693	-.260
.209	-.103	.713	-.202	.835	-.160	.782	-.254	.780	-.355	.784	-.362	.777	-.269
.247	-.252	.854	-.180	.919	-.071	.864	-.235	.863	-.287	.856	-.293	.861	-.225
.276	-.325	.980	-.144	.987	.009	.926	-.132	.923	-.168	.926	-.156	.918	-.155
.324	-.395	1.074	-.078			.975	-.023	.977	-.046	.977	-.033	.972	-.005
.361	-.243	1.122	-.017										
.396	-.161												
.438	-.132												
.487	-.070												
LOWER SURFACE													
.518	-.043	-.658	.041	-.022	.330	.024	.236	.025	.162	.019	.226	.020	.243
.556	.002	-.615	.034	.038	.086	.075	.000	.074	-.020	.066	-.051	.076	-.105
.574	.016	-.572	.020	.101	-.025	.137	-.059	.130	-.063	.136	-.053	.136	-.158
.593	.011	-.462	-.063	.185	-.073	.213	-.091	.214	-.095	.214	-.084	.221	-.154
.632	.017	-.329	-.095	.289	-.088	.297	-.109	.298	-.100	.489	-.085	.295	-.148
.670	.006	-.172	-.149	.398	-.105	.400	-.114	.397	-.083	.594	-.060	.396	-.104
.747	-.074	-.030	-.154	.519	-.094	.498	-.098	.501	-.088	.700	.082	.497	-.092
.766	-.138	.128	-.113	.620	-.044	.604	-.062	.603	-.066	.786	.182	.597	-.030
.785	-.236	.418	-.097	.737	.089	.705	.069	.703	.087	.858	.242	.702	.106
.804	-.216	.564	-.058	.831	.193	.785	.178	.784	.207	.919	.259	.786	.192
.823	-.211	.710	.057	.914	.233	.859	.234	.868	.266	.967	.155	.864	.241
.842	-.177	.857	.179	.986	.129	.922	.248	.923	.273			.912	.243
.861	-.112	.976	.215	1.012	.032	.967	.152	.972	.157			.985	.056
.881	-.080	1.072	.175			1.000	.030						
.900	-.044	1.110	.098										
.938	.054												
CN =		.4446		.4509		.4774		.4683		.4260		.3344	
CM =		.0688		-.0019		-.0064		-.0291		-.0388		-.0307	

~~CONFIDENTIAL~~

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

TABLE II-161 CONFIGURATION 136 M = 0.90 Q = 1000 $\alpha = 4.18^\circ$ $C_L = 0.5088$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.108												
.057	-.121												
.076	-.194												
.080	-.150	-.658	-.213	-.021	-.987	.023	-1.005	.025	-.999	.022	-.891	.018	-.852
.085	-.169	-.565	-.354	.035	-1.017	.068	-1.129	.079	-1.170	.075	-.983	.077	-.933
.093	-.141	-.452	-.398	.105	-.622	.134	-1.072	.133	-1.057	.129	-1.014	.129	-1.013
.113	.032	-.311	-.493	.178	-.609	.209	-1.017	.214	-1.017	.201	-.920	.209	-.442
.115	.078	-.023	-.391	.286	-.604	.294	-.742	.295	-.559	.294	-.379	.293	-.315
.137	.019	.133	-.305	.396	-.608	.404	-.512	.407	-.305	.397	-.297	.396	-.227
.138	.049	.272	-.236	.514	-.500	.497	-.252	.502	-.265	.495	-.289	.494	-.234
.163	.003	.416	-.227	.618	-.387	.599	-.228	.601	-.279	.594	-.304	.590	-.241
.162	.027	.565	-.238	.733	-.222	.700	-.243	.698	-.305	.693	-.350	.693	-.264
.209	-.113	.713	-.229	.835	-.126	.782	-.244	.780	-.341	.784	-.361	.777	-.277
.247	-.252	.854	-.226	.919	-.056	.864	-.221	.863	-.272	.856	-.285	.861	-.229
.276	-.329	.980	-.171	.987	.006	.926	-.119	.923	-.164	.926	-.152	.918	-.166
.324	-.401	1.074	-.084			.975	-.017	.977	-.050	.977	-.032	.972	-.010
.361	-.248	1.122	-.022										
.396	-.181												
.438	-.146												
.487	-.109												
LOWER SURFACE													
.518	-.099	-.658	.052	-.022	.359	.024	.289	.025	.233	.019	.285	.020	.308
.556	-.019	-.615	.044	.038	.127	.075	.044	.074	.038	.066	.018	.076	-.015
.574	.005	-.572	.028	.101	.014	.137	-.033	.130	-.044	.136	-.023	.136	-.097
.593	.010	-.462	-.045	.185	-.036	.213	-.057	.214	-.059	.214	-.043	.221	-.110
.632	.021	-.329	-.082	.289	-.053	.297	-.075	.298	-.070	.489	-.062	.295	-.118
.670	.011	-.172	-.146	.398	-.088	.400	-.103	.397	-.070	.594	-.049	.396	-.097
.747	-.070	-.030	-.136	.519	-.083	.498	-.089	.501	-.069	.700	.092	.497	-.080
.766	-.137	.128	-.085	.620	-.032	.604	-.060	.603	-.049	.786	.186	.597	-.021
.785	-.226	.418	-.077	.737	.099	.705	.068	.703	.105	.858	.254	.702	.102
.804	-.213	.564	-.033	.831	.200	.785	.187	.784	.216	.919	.271	.786	.187
.823	-.209	.710	.072	.914	.237	.859	.241	.868	.271	.967	.163	.864	.234
.842	-.173	.857	.190	.986	.127	.922	.252	.923	.279			.912	.237
.861	-.116	.976	.218	1.012	.012	.967	.157	.972	.164			.985	.056
.881	-.084	1.072	.182			1.000	.029						
.900	-.049	1.110	.095										
.938	.050												
CN =		.5093		.5311		.5394		.5439		.5066		.3932	
CM =		.0754		.0043		.0006		-.0167		-.0237		-.0171	

TABLE II-162 CONFIGURATION 136 M = 0.90 Q = 1000 $\alpha = 5.54^\circ$ $C_L = 0.6752$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.093												
.057	-.140												
.076	-.208												
.080	-.156	-.658	-.291	-.021	-1.160	.023	-1.138	.025	-1.148	.022	-1.082	.018	-1.030
.085	-.179	-.565	-.397	.035	-1.287	.068	-1.246	.079	-1.256	.075	-1.124	.077	-1.150
.093	-.136	-.452	-.443	.105	-.881	.134	-1.201	.133	-1.191	.129	-1.160	.129	-1.158
.113	.026	-.311	-.510	.178	-.688	.209	-1.148	.214	-1.161	.201	-1.142	.209	-1.122
.115	.079	-.023	-.439	.286	-.637	.294	-1.140	.295	-1.099	.294	-.792	.293	-.605
.137	.009	.133	-.330	.396	-.640	.404	-.898	.407	-.614	.397	-.576	.396	-.392
.138	.043	.272	-.269	.514	-.567	.497	-.626	.502	-.553	.495	-.490	.494	-.225
.163	-.001	.416	-.247	.618	-.525	.599	-.369	.601	-.514	.594	-.374	.590	-.127
.162	.020	.565	-.270	.733	-.331	.700	-.201	.698	-.400	.693	-.250	.693	-.154
.209	-.126	.713	-.289	.835	-.133	.782	-.170	.780	-.295	.784	-.205	.777	-.218
.247	-.268	.854	-.331	.919	-.054	.864	-.146	.863	-.193	.856	-.158	.861	-.205
.276	-.341	.980	-.304	.987	-.015	.926	-.074	.923	-.142	.926	-.120	.918	-.163
.324	-.415	1.074	-.149			.975	-.008	.977	-.099	.977	-.068	.972	-.039
.361	-.291	1.122	-.048										
.396	-.187												
.438	-.162												
.487	-.131												
LOWER SURFACE													
.518	-.155	-.658	.061	-.022	.407	.024	.365	.025	.325	.019	.384	.020	.390
.556	-.070	-.615	.072	.038	.222	.075	.131	.074	.107	.066	.111	.076	.057
.574	-.011	-.572	.061	.101	.114	.137	.031	.130	.050	.136	.047	.136	-.025
.593	.005	-.462	-.011	.185	.049	.213	.004	.214	.004	.214	.007	.221	-.064
.632	.022	-.329	-.036	.289	.009	.297	-.018	.298	.005	.489	-.036	.295	-.086
.670	.014	-.172	-.086	.398	-.030	.400	-.058	.397	-.026	.594	-.043	.396	-.082
.747	-.069	-.030	-.089	.519	-.032	.498	-.052	.501	-.032	.700	.087	.497	-.077
.766	-.131	.128	-.045	.620	-.001	.604	-.032	.603	-.018	.786	.184	.597	-.035
.785	-.226	.418	-.037	.737	.111	.705	.085	.703	.117	.858	.244	.702	.099
.804	-.210	.564	.006	.831	.211	.785	.193	.784	.215	.919	.266	.786	.181
.823	-.208	.710	.103	.914	.243	.859	.250	.868	.272	.967	.148	.864	.220
.842	-.181	.857	.217	.986	.112	.922	.259	.923	.269			.912	.232
.861	-.124	.976	.240	1.012	-.018	.967	.168	.972	.130			.985	.046
.881	-.095	1.072	.189			1.000	.029						
.900	-.056	1.110	.094										
.938	.048												
CN =		.6628		.6727		.7199		.7491		.6412		.5124	
CM =		.0853		.0111		.0088		-.0131		.0015		.0140	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-163 CONFIGURATION 136 M = 0.90 Q = 1000 $\alpha = 6.84^\circ$ $C_L = 0.7929$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.069												
.057	-.145												
.076	-.214												
.080	-.154	-.658	-.358	-.021	-1.257	.023	-1.258	.025	-1.256	.022	-1.016	.018	-.552
.085	-.182	-.565	-.446	.035	-1.378	.068	-1.347	.079	-1.360	.075	-.743	.077	-.508
.093	-.139	-.452	-.483	.105	-1.220	.134	-1.317	.133	-1.299	.129	-.779	.129	-.451
.113	.025	-.311	-.547	.178	-.939	.209	-1.262	.214	-1.273	.201	-.791	.209	-.416
.115	.077	-.023	-.465	.286	-.817	.294	-1.232	.295	-1.000	.294	-.624	.293	-.402
.137	.006	.133	-.367	.396	-.686	.404	-1.177	.407	-.667	.397	-.565	.396	-.328
.138	.028	.272	-.298	.514	-.596	.497	-.758	.502	-.630	.495	-.496	.494	-.280
.163	-.013	.416	-.282	.618	-.575	.599	-.652	.601	-.584	.594	-.456	.590	-.259
.162	.011	.565	-.291	.733	-.454	.700	-.484	.698	-.546	.693	-.425	.693	-.257
.209	-.128	.713	-.319	.835	-.180	.782	-.166	.780	-.482	.784	-.388	.777	-.229
.247	-.278	.854	-.377	.919	-.066	.864	-.072	.863	-.428	.856	-.353	.861	-.218
.276	-.358	.980	-.367	.987	-.029	.926	-.007	.923	-.380	.926	-.337	.918	-.214
.324	-.420	1.074	-.187			.975	.030	.977	-.346	.977	-.321	.972	-.200
.361	-.294	1.122	-.074										
.396	-.215												
.438	-.176												
.487	-.145												
LOWER SURFACE													
.518	-.174	-.658	.077	-.022	.437	.024	.434	.025	.412	.019	.434	.020	.422
.556	-.163	-.615	.091	.038	.284	.075	.210	.074	.205	.066	.188	.076	.133
.574	-.042	-.572	.077	.101	.190	.137	.116	.130	.114	.136	.106	.136	.018
.593	.001	-.462	.028	.185	.113	.213	.066	.214	.059	.214	.041	.221	-.041
.632	.023	-.329	-.000	.289	.071	.297	.035	.298	.045	.489	-.042	.295	-.072
.670	.016	-.172	-.047	.398	.018	.400	-.001	.397	.007	.594	-.052	.396	-.093
.747	-.064	-.030	-.044	.519	.007	.498	-.015	.501	-.010	.700	.059	.497	-.101
.766	-.128	.128	-.008	.620	.025	.604	-.008	.603	-.013	.786	.144	.597	-.064
.785	-.226	.418	.019	.737	.127	.705	.101	.703	.093	.858	.221	.702	.052
.804	-.209	.564	.044	.831	.227	.785	.208	.784	.182	.919	.226	.786	.134
.823	-.210	.710	.131	.914	.255	.859	.273	.868	.236	.967	.079	.864	.183
.842	-.187	.857	.234	.986	.130	.922	.278	.923	.226			.912	.177
.861	-.133	.976	.250	1.012	-.001	.967	.191	.972	.048			.985	-.085
.881	-.108	1.072	.190			1.000	.060						
.900	-.065	1.110	.097										
.938	.044												
CN =			.7883		.8243		.8841		.8727		.6276		.3505
CM =			.1060		.0152		.0021		-.0348		-.0413		-.0234

TABLE II-164 CONFIGURATION 136 M = 0.90 Q = 1000 $\alpha = 8.18^\circ$ $C_L = 0.8758$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.068												
.057	-.146												
.076	-.218												
.080	-.158	-.658	-.424	-.021	-1.362	.023	-1.346	.025	-1.345	.022	-.567	.018	-.427
.085	-.182	-.565	-.522	.035	-1.476	.068	-1.432	.079	-1.378	.075	-.553	.077	-.422
.093	-.141	-.452	-.533	.105	-1.385	.134	-1.387	.133	-1.316	.129	-.528	.129	-.384
.113	.026	-.311	-.586	.178	-1.171	.209	-1.359	.214	-1.065	.201	-.494	.209	-.366
.115	.064	-.023	-.493	.286	-1.099	.294	-1.319	.295	-.922	.294	-.488	.293	-.345
.137	.005	.133	-.397	.396	-.970	.404	-.988	.407	-.775	.397	-.464	.396	-.324
.138	.029	.272	-.332	.514	-.786	.497	-.801	.502	-.708	.495	-.454	.494	-.309
.163	-.015	.416	-.321	.618	-.640	.599	-.757	.601	-.645	.594	-.426	.590	-.290
.162	.002	.565	-.319	.733	-.545	.700	-.663	.698	-.605	.693	-.403	.693	-.287
.209	-.143	.713	-.347	.835	-.216	.782	-.426	.780	-.555	.784	-.393	.777	-.272
.247	-.287	.854	-.407	.919	-.105	.864	-.146	.863	-.524	.856	-.383	.861	-.254
.276	-.365	.980	-.422	.987	-.009	.926	-.109	.923	-.479	.926	-.369	.918	-.258
.324	-.422	1.074	-.199			.975	-.020	.977	-.446	.977	-.363	.972	-.247
.361	-.300	1.122	-.085										
.396	-.233												
.438	-.207												
.487	-.168												
LOWER SURFACE													
.518	-.201	-.658	.073	-.022	.442	.024	.491	.025	.458	.019	.492	.020	.445
.556	-.251	-.615	.108	.038	.332	.075	.282	.074	.262	.066	.247	.076	.154
.574	-.062	-.572	.099	.101	.244	.137	.177	.130	.166	.136	.149	.136	.044
.593	.001	-.462	.055	.185	.168	.213	.114	.214	.106	.214	.077	.221	-.026
.632	.025	-.329	.041	.289	.112	.297	.074	.298	.068	.489	-.050	.295	-.074
.670	.016	-.172	-.009	.398	.065	.400	.020	.397	.023	.594	-.077	.396	-.106
.747	-.069	-.030	-.010	.519	.038	.498	-.001	.501	-.002	.700	.018	.497	-.135
.766	-.135	.128	.037	.620	.047	.604	.001	.603	-.022	.786	.105	.597	-.110
.785	-.232	.418	.043	.737	.141	.705	.083	.703	.077	.858	.181	.702	-.000
.804	-.214	.564	.071	.831	.232	.785	.187	.784	.174	.919	.187	.786	.087
.823	-.209	.710	.156	.914	.261	.859	.254	.868	.225	.967	-.013	.864	.151
.842	-.195	.857	.250	.986	.117	.922	.258	.923	.211			.912	.142
.861	-.141	.976	.271	1.012	-.011	.967	.142	.972	.018			.985	-.177
.881	-.125	1.072	.200			1.000	-.039						
.900	-.084	1.110	.091										
.938	.039												
CN =			.9054		1.0039		.9752		.9198		.5231		.3238
CM =			.1322		.0153		-.0100		-.0474		-.0475		-.0249

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-165 CONFIGURATION 136 M = 0.90 Q = 650 $\alpha = -7.25^\circ$ $C_L = -0.6830$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.268												
.057	.016												
.076	-.053												
.080	-.129	-.658	.019	-.021	.422	.023	.498	.025	.486	.022	.502	.018	.478
.085	-.055	-.565	-.042	.035	.308	.068	.332	.079	.279	.075	.305	.077	.249
.093	-.113	-.452	-.056	.105	.229	.134	.251	.133	.272	.129	.248	.129	.185
.113	.101	-.311	-.089	.178	.168	.209	.179	.214	.196	.201	.165	.209	.080
.115	.097	-.023	-.046	.286	.110	.294	.134	.295	.146	.294	.109	.293	.007
.137	.128	.133	.020	.396	.074	.404	.089	.407	.076	.397	.036	.396	-.075
.138	.080	.272	.073	.514	.056	.497	.047	.502	.015	.495	-.038	.494	-.153
.163	.120	.416	.094	.618	.031	.599	-.001	.601	-.065	.594	-.120	.590	-.230
.162	.067	.565	.096	.733	-.015	.700	-.059	.698	-.158	.693	-.246	.693	-.336
.209	.046	.713	.092	.835	-.055	.782	-.101	.780	-.281	.784	-.381	.777	-.456
.247	-.067	.854	.059	.919	-.065	.864	-.143	.863	-.448	.856	-.524	.861	-.584
.276	-.139	.980	.030	.987	-.024	.926	-.100	.923	-.582	.926	-.734	.918	-.701
.324	-.156	1.074	.015			.975	-.050	.977	-.736	.977	-.443	.972	-.384
.361	-.038	1.122	.007										
.396	.041												
.438	.110												
.487	.167												
.518	.167	-.658	-.161	-.022	-1.012	.024	-1.306	.025	-.535	.019	-.357	.020	-.318
.556	.128	-.615	-.212	.038	-1.242	.075	-1.262	.074	-.550	.066	-.374	.076	-.316
.574	.098	-.572	-.254	.101	-1.218	.137	-1.250	.130	-.494	.136	-.365	.136	-.302
.593	.073	-.462	-.316	.185	-.853	.213	-1.109	.214	-.516	.214	-.371	.221	-.304
.632	.050	-.329	-.277	.289	-.772	.297	-1.000	.298	-.496	.489	-.380	.295	-.306
.670	.018	-.172	-.337	.398	-.803	.400	-.903	.397	-.520	.594	-.370	.396	-.311
.747	-.087	-.030	-.355	.519	-.833	.498	-.863	.501	-.549	.700	-.370	.497	-.305
.766	-.154	.128	-.335	.620	-.328	.604	-.849	.603	-.550	.786	-.356	.597	-.303
.785	-.273	.418	-.414	.737	-.201	.705	-.762	.703	-.556	.858	-.353	.702	-.298
.804	-.258	.564	-.500	.831	-.179	.785	-.659	.784	-.521	.919	-.349	.786	-.287
.823	-.238	.710	-.472	.914	-.087	.859	-.465	.868	-.501	.967	-.350	.864	-.285
.842	-.151	.857	-.181	.986	.072	.922	-.363	.923	-.482			.912	-.280
.861	-.044	.976	-.000	1.012	.111	.967	-.039	.972	-.469			.985	-.278
.881	-.007	1.072	.065										
.900	.013	1.110	.039			1.000	.070						
.938	.097												
CN =		-.5700		-.7241		-.9117		-.4739		-.2781		-.1402	
CM =		-.0608		-.0610		.0055		-.0168		-.0474		-.0642	

TABLE II-166 CONFIGURATION 136 M = 0.90 Q = 650 $\alpha = -4.84^\circ$ $C_L = -0.5074$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.224												
.057	-.021												
.076	-.088												
.080	-.139	-.658	-.004	-.021	.352	.023	.367	.025	.389	.022	.474	.018	.452
.085	-.095	-.565	-.070	.035	.175	.068	.205	.079	.160	.075	.268	.077	.202
.093	-.116	-.452	-.135	.105	.113	.134	.129	.133	.173	.129	.203	.129	.150
.113	.086	-.311	-.166	.178	.048	.209	.083	.214	.120	.201	.127	.209	.055
.115	.095	-.023	-.113	.286	.008	.294	.047	.295	.078	.294	.097	.293	-.015
.137	.104	.133	-.043	.396	-.020	.404	.011	.407	.027	.397	.030	.396	-.079
.138	.084	.272	.008	.514	-.010	.497	-.010	.502	-.019	.495	-.031	.494	-.149
.163	.090	.416	.031	.618	-.025	.599	-.044	.601	-.072	.594	-.101	.590	-.221
.162	.063	.565	.040	.733	-.060	.700	-.099	.698	-.131	.693	-.205	.693	-.323
.209	.016	.713	.050	.835	-.079	.782	-.134	.780	-.183	.784	-.336	.777	-.436
.247	-.113	.854	.022	.919	-.059	.864	-.199	.863	-.210	.856	-.480	.861	-.555
.276	-.195	.980	.015	.987	.041	.926	-.162	.923	-.147	.926	-.673	.918	-.590
.324	-.215	1.074	.005			.975	-.054	.977	-.191	.977	-.506	.972	-.323
.361	-.100	1.122	.025										
.396	-.002												
.438	.057												
.487	.122												
.518	.131	-.658	-.082	-.022	-.714	.024	-1.118	.025	-.987	.019	-.468	.020	-.296
.556	.101	-.615	-.157	.038	-.971	.075	-1.166	.074	-.916	.066	-.478	.076	-.241
.574	.084	-.572	-.176	.101	-.647	.137	-1.188	.130	-.924	.136	-.442	.136	-.220
.593	.066	-.462	-.258	.185	-.698	.213	-1.135	.214	-.863	.214	-.424	.221	-.224
.632	.046	-.329	-.236	.289	-.673	.297	-1.114	.298	-.795	.489	-.370	.295	-.225
.670	.027	-.172	-.308	.398	-.687	.400	-.918	.397	-.747	.594	-.405	.396	-.227
.747	-.081	-.030	-.301	.519	-.598	.498	-.491	.501	-.705	.700	-.405	.497	-.230
.766	-.136	.128	-.270	.620	-.227	.604	-.019	.603	-.651	.786	-.396	.597	-.232
.785	-.252	.418	-.384	.737	-.134	.705	.040	.703	-.586	.858	-.369	.702	-.225
.804	-.230	.564	-.394	.831	-.079	.785	.067	.784	-.505	.919	-.362	.786	-.229
.823	-.204	.710	-.284	.914	.076	.859	.073	.868	-.380	.967	-.352	.864	-.216
.842	-.144	.857	-.057	.986	.183	.922	.088	.923	-.170			.912	-.211
.861	-.050	.976	.079	1.012	.127	.967	.079	.972	-.282			.985	-.206
.881	-.011	1.072	.113			1.000	.044						
.900	.006	1.110	.076										
.938	.087												
CN =		-.3442		-.4714		-.5175		-.6579		-.3167		-.0732	
CM =		-.0395		-.0587		-.1057		-.0052		-.0415		-.0648	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-167

CONFIGURATION 136

M = 0.90

Q = 650

 $\alpha = -2.43^\circ$ $C_L = -0.2632$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 .188						
.057 -.058						
.076 -.121						
.080 -.135						
.085 -.114	-.658 -.041	-.021 .208	.023 .189	.025 .231	.022 .363	.018 .395
.093 -.114	-.565 -.138	.035 -.004	.068 -.015	.079 -.027	.075 .129	.077 .121
.113 .071	-.452 -.188	.105 -.064	.134 -.020	.133 .036	.129 .092	.129 .066
.115 .088	-.311 -.270	.178 -.096	.209 -.051	.214 -.011	.201 .026	.209 .004
.137 .072	-.023 -.199	.286 -.114	.294 -.065	.295 -.033	.294 .012	.293 -.050
.138 .073	.133 -.112	.396 -.144	.404 -.086	.407 -.066	.397 -.039	.396 -.083
.163 .057	.272 -.065	.514 -.092	.497 -.102	.502 -.084	.495 -.081	.494 -.125
.162 .056	.416 -.038	.618 -.095	.599 -.124	.601 -.137	.594 -.128	.590 -.168
.209 -.020	.565 -.025	.733 -.122	.700 -.165	.698 -.185	.693 -.193	.693 -.226
.247 -.160	.713 -.006	.835 -.124	.782 -.182	.780 -.223	.784 -.247	.777 -.305
.276 -.239	.854 -.030	.919 -.096	.864 -.198	.863 -.244	.856 -.265	.861 -.317
.324 -.286	.980 -.028	.987 .010	.926 -.129	.923 -.175	.926 -.202	.918 -.315
.361 -.150	1.074 -.012		.975 -.001	.977 -.035	.977 -.059	.972 -.251
.396 -.061	1.122 .015					
.438 .005						
.487 .076						
.518 .077						
.556 .076	-.658 -.043	-.022 -.252	.024 -.839	.025 -1.031	.019 -1.049	.020 -.642
.574 .063	-.615 -.082	.038 -.494	.075 -.873	.074 -1.112	.066 -1.005	.076 -.562
.593 .043	-.572 -.117	.101 -.494	.137 -.912	.130 -1.064	.136 -.987	.136 -.477
.632 .033	-.462 -.200	.185 -.551	.213 -.850	.214 -.835	.214 -.874	.221 -.428
.670 .019	-.329 -.208	.289 -.546	.297 -.690	.298 -.535	.489 -.309	.295 -.382
.747 -.071	-.172 -.275	.398 -.560	.400 -.288	.397 -.282	.594 -.139	.396 -.325
.766 -.134	-.030 -.269	.519 -.260	.498 -.252	.501 -.207	.700 .050	.497 -.278
.785 -.240	.128 -.245	.620 -.120	.604 -.153	.603 -.141	.786 .129	.597 -.254
.804 -.223	.418 -.308	.737 .036	.705 .026	.703 .019	.858 .166	.702 -.220
.823 -.200	.564 -.326	.831 .082	.785 .127	.784 .099	.919 .208	.786 -.207
.842 -.146	.710 -.124	.914 .121	.859 .171	.868 .158	.967 .146	.864 -.173
.861 -.062	.857 .043	.986 .133	.922 .186	.923 .177		.912 -.163
.881 -.029	.976 .126	1.012 .096	.967 .143	.972 .134		.985 -.138
.900 -.004	1.072 .129		1.000 .070			
.938 .073	1.110 .084					
CN =	-.1204	-.1816	-.2280	-.2461	-.2928	-.2056
CM =	-.0139	-.0588	-.0953	-.1107	-.1261	-.0535

TABLE II-168

CONFIGURATION 136

M = 0.90

Q = 650

 $\alpha = -0.04^\circ$ $C_L = 0.0159$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 .165						
.057 -.071						
.076 -.157						
.080 -.140						
.085 -.146	-.658 -.111	-.021 -.034	.023 -.202	.025 -.069	.022 .087	.018 .199
.093 -.126	-.565 -.203	.035 -.256	.068 -.411	.079 -.302	.075 -.095	.077 -.075
.113 .050	-.452 -.276	.105 -.264	.134 -.244	.133 -.162	.129 -.100	.129 -.095
.115 .089	-.311 -.348	.178 -.272	.209 -.245	.214 -.163	.201 -.135	.209 -.141
.137 .045	-.023 -.281	.286 -.261	.294 -.216	.295 -.164	.294 -.116	.293 -.155
.138 .057	.133 -.185	.396 -.287	.404 -.207	.407 -.186	.397 -.149	.396 -.156
.163 .036	.272 -.123	.514 -.187	.497 -.198	.502 -.187	.495 -.175	.494 -.173
.162 .051	.416 -.110	.618 -.181	.599 -.207	.601 -.213	.594 -.205	.590 -.183
.209 -.068	.565 -.096	.733 -.185	.700 -.235	.698 -.261	.693 -.260	.693 -.201
.247 -.195	.713 -.067	.835 -.161	.782 -.244	.780 -.294	.784 -.303	.777 -.211
.276 -.281	.854 -.078	.919 -.108	.864 -.239	.863 -.271	.856 -.273	.861 -.182
.324 -.333	.980 -.074	.987 .012	.926 -.140	.923 -.166	.926 -.153	.918 -.126
.361 -.206	1.074 -.039		.975 -.017	.977 -.028	.977 -.009	.972 .017
.396 -.104	1.122 .009					
.438 -.049						
.487 .024						
.518 .041						
.556 .043	-.658 -.011	-.022 .043	.024 -.243	.025 -.501	.019 -.607	.020 -.578
.574 .038	-.615 -.043	.038 -.228	.075 -.438	.074 -.585	.066 -.729	.076 -.679
.593 .026	-.572 -.061	.101 -.316	.137 -.422	.130 -.441	.136 -.637	.136 -.609
.632 .021	-.462 -.152	.185 -.360	.213 -.353	.214 -.361	.214 -.292	.221 -.416
.670 .009	-.329 -.169	.289 -.304	.297 -.316	.298 -.285	.489 -.198	.295 -.277
.747 -.079	-.172 -.249	.398 -.276	.400 -.268	.397 -.250	.594 -.119	.396 -.162
.766 -.138	-.030 -.231	.519 -.206	.498 -.211	.501 -.198	.700 .046	.497 -.122
.785 -.237	.128 -.188	.620 -.107	.604 -.136	.603 -.134	.786 .120	.597 -.034
.804 -.216	.418 -.236	.737 .057	.705 .036	.703 .055	.858 .161	.702 .102
.823 -.203	.564 -.175	.831 .144	.785 .150	.784 .140	.919 .178	.786 .172
.842 -.157	.710 -.030	.914 .189	.859 .196	.868 .198	.967 .142	.864 .204
.861 -.081	.857 .100	.986 .138	.922 .213	.923 .221		.912 .208
.881 -.048	.976 .158	1.012 .070	.967 .148	.972 .154		.985 .093
.900 -.015	1.072 .146		1.000 .050			
.938 .065	1.110 .085					
CN =	.1037	.0775	.0801	.0439	-.0138	-.0138
CM =	.0167	-.0436	-.0610	-.0799	-.0899	-.0875

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-169 CONFIGURATION 136 M = 0.90 Q = 650 $\alpha = 2.34^\circ$ $C_L = 0.2875$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.136												
.057	-.097												
.076	-.179												
.080	-.146	-.658	-.169	-.021	-.399	.023	-.729	.025	-.660	.022	-.440	.018	-.302
.085	-.157	-.565	-.278	.035	-.542	.068	-.820	.079	-.711	.075	-.504	.077	-.445
.093	-.126	-.452	-.348	.105	-.492	.134	-.611	.133	-.426	.129	-.374	.129	-.397
.113	.038	-.311	-.434	.178	-.479	.209	-.451	.214	-.382	.201	-.338	.209	-.307
.115	.088	-.023	-.365	.286	-.441	.294	-.285	.295	-.314	.294	-.270	.293	-.289
.137	.030	.133	-.253	.396	-.424	.404	-.305	.407	-.301	.397	-.293	.396	-.236
.138	.060	.272	-.197	.514	-.304	.497	-.289	.502	-.307	.495	-.283	.494	-.232
.163	.019	.416	-.184	.618	-.230	.599	-.272	.601	-.308	.594	-.289	.590	-.227
.162	.039	.565	-.177	.733	-.219	.700	-.284	.698	-.328	.693	-.335	.693	-.242
.209	-.082	.713	-.148	.835	-.171	.782	-.276	.780	-.340	.784	-.362	.777	-.255
.247	-.232	.854	-.138	.919	-.099	.864	-.249	.863	-.283	.856	-.304	.861	-.219
.276	-.311	.980	-.111	.987	.009	.926	-.133	.923	-.159	.926	-.166	.918	-.156
.324	-.375	1.074	-.060			.975	-.026	.977	-.039	.977	-.030	.972	-.006
.361	-.234	1.122	-.006										
.396	-.147												
.438	-.101												
.487	-.032												
LOWER SURFACE													
.518	-.001	-.658	.024	-.022	.261	.024	-.109	.025	.030	.019	.060	.020	.076
.556	.017	-.615	.012	.038	-.013	.075	-.116	.074	-.152	.066	-.203	.076	-.232
.574	.021	-.572	-.022	.101	-.121	.137	-.186	.130	-.174	.136	-.184	.136	-.262
.593	.014	-.462	-.096	.185	-.154	.213	-.171	.214	-.165	.214	-.158	.221	-.226
.632	.017	-.329	-.121	.289	-.155	.297	-.168	.298	-.154	.298	-.123	.295	-.195
.670	.006	-.172	-.183	.398	-.153	.400	-.164	.397	-.148	.594	-.090	.396	-.127
.747	-.077	-.030	-.179	.519	-.129	.498	-.134	.501	-.132	.700	.076	.497	-.101
.766	-.141	.128	-.140	.620	-.070	.604	-.093	.603	-.093	.786	.174	.597	-.033
.785	-.233	.418	-.139	.737	.080	.705	.055	.703	.076	.858	.238	.702	.107
.804	-.211	.564	-.087	.831	.180	.785	.173	.784	.213	.919	.258	.786	.196
.823	-.205	.710	.029	.914	.224	.859	.228	.868	.281	.967	.158	.864	.246
.842	-.166	.857	.147	.986	.135	.922	.238	.923	.284			.912	.251
.861	-.096	.976	.194	1.012	.047	.967	.147	.972	.153			.985	.071
.881	-.065	1.072	.164			1.000	.025						
.900	-.032	1.110	.086										
.938	.056												
CN =		.3335		.3156		.3214		.3251		.2829		.2250	
CM =		.0541		-.0204		-.0339		-.0548		-.0622		-.0535	

TABLE II-170 CONFIGURATION 136 M = 0.90 Q = 650 $\alpha = 3.56^\circ$ $C_L = 0.4325$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.111												
.057	-.113												
.076	-.197												
.080	-.152	-.658	-.211	-.021	-.748	.023	-.928	.025	-.940	.022	-.807	.018	-.739
.085	-.167	-.565	-.320	.035	-.738	.068	-1.060	.079	-1.078	.075	-.862	.077	-.723
.093	-.128	-.452	-.381	.105	-.619	.134	-1.014	.133	-.989	.129	-.819	.129	-.671
.113	.030	-.311	-.465	.178	-.566	.209	-.911	.214	-.779	.201	-.363	.209	-.525
.115	.074	-.023	-.393	.286	-.562	.294	-.610	.295	-.281	.294	-.325	.293	-.318
.137	.018	.133	-.285	.396	-.511	.404	-.274	.407	-.281	.397	-.341	.396	-.243
.138	.049	.272	-.219	.514	-.408	.497	-.249	.502	-.304	.495	-.343	.494	-.236
.163	.006	.416	-.209	.618	-.281	.599	-.261	.601	-.324	.594	-.328	.590	-.239
.162	-.026	.565	-.219	.733	-.210	.700	-.276	.698	-.344	.693	-.351	.693	-.257
.209	-.100	.713	-.186	.835	-.143	.782	-.270	.780	-.372	.784	-.362	.777	-.263
.247	-.245	.854	-.181	.919	-.072	.864	-.240	.863	-.291	.856	-.290	.861	-.222
.276	-.325	.980	-.136	.987	.008	.926	-.131	.923	-.169	.926	-.153	.918	-.158
.324	-.390	1.074	-.072			.975	-.027	.977	-.042	.977	-.025	.972	-.010
.361	-.251	1.122	-.020										
.396	-.171												
.438	-.133												
.487	-.079												
LOWER SURFACE													
.518	-.042	-.658	.045	-.022	.325	.024	.238	.025	.191	.019	.252	.020	.250
.556	.000	-.615	.038	.038	.084	.075	.006	.074	-.009	.066	-.019	.076	-.067
.574	.012	-.572	.003	.101	-.024	.137	-.069	.130	-.066	.136	-.058	.136	-.126
.593	.012	-.462	-.067	.185	-.070	.213	-.098	.214	-.081	.214	-.063	.221	-.141
.632	.017	-.329	-.088	.289	-.090	.297	-.115	.298	-.082	.298	-.076	.295	-.135
.670	.003	-.172	-.157	.398	-.114	.400	-.119	.397	-.094	.594	-.055	.396	-.103
.747	-.073	-.030	-.151	.519	-.096	.498	-.100	.501	-.084	.700	.089	.497	-.087
.766	-.138	.128	-.105	.620	-.041	.604	-.063	.603	-.058	.786	.188	.597	-.027
.785	-.233	.418	-.097	.737	.093	.705	.070	.703	.095	.858	.248	.702	.104
.804	-.222	.564	-.049	.831	.190	.785	.184	.784	.230	.919	.268	.786	.191
.823	-.211	.710	.060	.914	.229	.859	.242	.868	.296	.967	.158	.864	.236
.842	-.175	.857	.175	.986	.130	.922	.248	.923	.296			.912	.244
.861	-.110	.976	.214	1.012	.030	.967	.151	.972	.166			.985	.059
.881	-.082	1.072	.171			1.000	.026						
.900	-.043	1.110	.093										
.938	.055												
CN =		.4438		.4407		.4754		.4869		.4310		.3465	
CM =		.0703		-.0034		-.0092		-.0316		-.0396		-.0277	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-171 CONFIGURATION 136 M = 0.90 Q = 650 $\alpha = 4.15^\circ$ $C_L = 0.5108$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.109												
.057	-.125												
.076	-.197												
.080	-.155	-.658	-.232	-.021	-.938	.023	-.985	.025	-1.008	.022	-.938	.018	-.889
.085	-.165	-.565	-.343	.035	-1.017	.068	-1.123	.079	-1.144	.075	-1.012	.077	-.991
.093	-.132	-.452	-.399	.105	-.612	.134	-1.083	.133	-1.070	.129	-1.019	.129	-.955
.113	.024	-.311	-.474	.178	-.591	.209	-1.034	.214	-1.033	.201	-.978	.209	-.811
.115	.076	-.023	-.402	.286	-.588	.294	-.821	.295	-.654	.294	-.506	.293	-.354
.137	.013	.133	-.302	.396	-.579	.404	-.594	.407	-.233	.397	-.278	.396	-.196
.138	.038	.272	-.229	.514	-.478	.497	-.270	.502	-.248	.495	-.306	.494	-.196
.163	.003	.416	-.226	.618	-.417	.599	-.222	.601	-.307	.594	-.334	.590	-.231
.162	.021	.565	-.248	.733	-.222	.700	-.239	.698	-.330	.693	-.364	.693	-.254
.209	-.113	.713	-.236	.835	-.129	.782	-.244	.780	-.344	.784	-.366	.777	-.276
.247	-.254	.854	-.219	.919	-.054	.864	-.214	.863	-.292	.856	-.300	.861	-.232
.276	-.333	.980	-.167	.987	-.005	.926	-.123	.923	-.177	.926	-.173	.918	-.172
.324	-.403	1.074	-.089			.975	-.018	.977	-.046	.977	-.038	.972	-.027
.361	-.264	1.122	-.031										
.396	-.178												
.438	-.139												
.487	-.103												
LOWER SURFACE													
.518	-.077	-.658	.047	-.022	.358	.024	.289	.025	.240	.019	.305	.020	.326
.556	-.014	-.615	.045	.038	.122	.075	.037	.074	.048	.066	.030	.076	-.029
.574	-.000	-.572	.022	.101	.024	.137	-.046	.130	-.029	.136	-.024	.136	-.078
.593	.005	-.462	-.050	.185	-.035	.213	-.071	.214	-.060	.214	-.036	.221	-.096
.632	.014	-.329	-.081	.289	-.061	.297	-.089	.298	-.068	.489	-.058	.295	-.116
.670	.006	-.172	-.138	.398	-.090	.400	-.096	.397	-.068	.594	-.045	.396	-.093
.747	-.074	-.030	-.125	.519	-.077	.498	-.088	.501	-.063	.700	.097	.497	-.081
.766	-.144	.128	-.088	.620	-.036	.604	-.060	.603	-.046	.786	.194	.597	-.023
.785	-.235	.418	-.082	.737	.093	.705	.076	.703	.104	.858	.255	.702	.106
.804	-.218	.564	-.033	.831	.197	.785	.187	.784	.225	.919	.269	.786	.184
.823	-.212	.710	.067	.914	.231	.859	.251	.868	.294	.967	.171	.864	.233
.842	-.182	.857	.178	.986	.123	.922	.256	.923	.293			.912	.238
.861	-.115	.976	.217	1.012	.008	.967	.161	.972	.165			.985	.056
.881	-.085	1.072	.173			1.000	.032						
.900	-.053	1.110	.087										
.938	.049												
CN =		.5048		.5210		.5559		.5584		.5402		.4237	
CM =		.0752		.0028		-.0007		-.0192		-.0244		-.0111	

CONFIDENTIAL

TABLE II-172 CONFIGURATION 136 M = 0.90 Q = 650 $\alpha = 4.77^\circ$ $C_L = 0.5986$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.099												
.057	-.131												
.076	-.202												
.080	-.153	-.658	-.247	-.021	-1.045	.023	-1.090	.025	-1.078	.022	-1.018	.018	-.960
.085	-.167	-.565	-.375	.035	-1.149	.068	-1.198	.079	-1.207	.075	-1.083	.077	-1.099
.093	-.136	-.452	-.420	.105	-.666	.134	-1.147	.133	-1.143	.129	-1.106	.129	-1.120
.113	.026	-.311	-.496	.178	-.612	.209	-1.093	.214	-1.094	.201	-1.081	.209	-1.027
.115	.073	-.023	-.393	.286	-.615	.294	-1.023	.295	-1.026	.294	-1.006	.293	-.814
.137	.012	.133	-.330	.396	-.616	.404	-.679	.407	-.561	.397	-.658	.396	-.209
.138	.043	.272	-.252	.514	-.530	.497	-.409	.502	-.315	.495	-.250	.494	-.111
.163	-.003	.416	-.239	.618	-.485	.599	-.238	.601	-.244	.594	-.254	.590	-.160
.162	.020	.565	-.260	.733	-.261	.700	-.229	.698	-.267	.693	-.308	.693	-.210
.209	-.111	.713	-.271	.835	-.114	.782	-.228	.780	-.286	.784	-.308	.777	-.254
.247	-.263	.854	-.275	.919	-.045	.864	-.210	.863	-.262	.856	-.269	.861	-.240
.276	-.337	.980	-.206	.987	-.007	.926	-.116	.923	-.159	.926	-.169	.918	-.189
.324	-.414	1.074	-.109			.975	-.016	.977	-.039	.977	-.040	.972	-.040
.361	-.264	1.122	-.040										
.396	-.185												
.438	-.153												
.487	-.123												
LOWER SURFACE													
.518	-.120	-.658	.056	-.022	.389	.024	.332	.025	.285	.019	.349	.020	.374
.556	-.039	-.615	.062	.038	.176	.075	.080	.074	.090	.066	.088	.076	.047
.574	-.010	-.572	.045	.101	.069	.137	.004	.130	.019	.136	.040	.136	-.034
.593	.004	-.462	-.034	.185	-.009	.213	-.023	.214	-.022	.214	-.003	.221	-.064
.632	.020	-.329	-.061	.289	-.035	.297	-.050	.298	-.038	.489	-.033	.295	-.084
.670	.011	-.172	-.121	.398	-.062	.400	-.074	.397	-.051	.594	-.024	.396	-.079
.747	-.071	-.030	-.110	.519	-.063	.498	-.067	.501	-.043	.700	.113	.497	-.070
.766	-.135	.128	-.075	.620	-.021	.604	-.046	.603	-.027	.786	.203	.597	-.016
.785	-.230	.418	-.060	.737	.106	.705	.083	.703	.118	.858	.271	.702	.104
.804	-.214	.564	-.013	.831	.204	.785	.200	.784	.242	.919	.288	.786	.188
.823	-.213	.710	.083	.914	.239	.859	.256	.868	.305	.967	.185	.864	.229
.842	-.179	.857	.196	.986	.116	.922	.268	.923	.303			.912	.234
.861	-.116	.976	.224	1.012	-.008	.967	.167	.972	.181			.985	.060
.881	-.094	1.072	.180			1.000	.041						
.900	-.053	1.110	.092										
.938	.045												
CN =		.5732		.5863		.6380		.6557		.6518		.5055	
CM =		.0797		.0065		.0037		-.0093		-.0109		.0055	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-173 CONFIGURATION 136 M = 0.90 Q = 650 $\alpha = 6.59^\circ$ $C_L = 0.8193$ $\beta = 0^\circ$											
STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933					
X/C	CP	X/C	CP	X/C	CP	X/C					
.019	.081						UPPER SURFACE				
.057	-.143										
.076	-.218										
.080	-.161	-.658	-.346	-.021	-1.236	.023	-1.238	.025	-1.247	.022	-1.193
.085	-.177	-.565	-.447	.035	-1.344	.068	-1.349	.079	-1.348	.075	-1.268
.093	-.141	-.452	-.475	.105	-1.271	.134	-1.291	.133	-1.285	.129	-1.265
.113	.024	-.311	-.545	.178	-.934	.209	-1.258	.214	-1.248	.201	-1.255
.115	.071	-.023	-.452	.286	-.638	.294	-1.209	.295	-1.196	.294	-1.202
.137	.007	.133	-.360	.396	-.647	.404	-1.167	.407	-1.126	.397	-1.132
.138	.034	.272	-.297	.514	-.591	.497	-.913	.502	-.955	.495	-.913
.163	-.012	.416	-.279	.618	-.569	.599	-.448	.601	-.665	.594	-.397
.162	.010	.565	-.291	.733	-.418	.700	-.274	.698	-.408	.693	-.239
.209	-.125	.713	-.317	.835	-.167	.782	-.191	.780	-.245	.784	-.184
.247	-.277	.854	-.368	.919	-.073	.864	-.149	.863	-.136	.856	-.143
.276	-.355	.980	-.349	.987	-.027	.926	-.073	.923	-.071	.926	-.095
.324	-.411	1.074	-.180			.975	-.013	.977	-.036	.977	-.064
.361	-.275	1.122	-.071								
.396	-.215										
.438	-.180										
.487	-.151										
.518	-.174	-.658	.066	-.022	.427	.024	.418	.025	.395	.019	.439
.556	-.141	-.615	.088	.038	.264	.075	.204	.074	.199	.066	.190
.574	-.039	-.572	.080	.101	.169	.137	.107	.130	.103	.136	.111
.593	-.005	-.462	.022	.185	.089	.213	.048	.214	.052	.214	.070
.632	.020	-.329	-.010	.289	.049	.297	.020	.298	.036	.489	-.004
.670	.014	-.172	-.052	.398	.011	.400	-.017	.397	.010	.594	-.000
.747	-.064	-.036	-.042	.519	-.007	.498	-.021	.501	-.001	.700	.112
.766	-.132	.128	-.018	.620	.012	.604	-.011	.603	.003	.786	.199
.785	-.219	.418	-.004	.737	.124	.705	.098	.703	.125	.858	.265
.804	-.203	.564	.042	.831	.221	.785	.210	.784	.237	.919	.278
.823	-.202	.710	.118	.914	.249	.859	.269	.868	.296	.967	.157
.842	-.183	.857	.218	.986	.114	.922	.278	.923	.296		
.861	-.133	.976	.240	1.012	-.009	.967	.165	.972	.164		
.881	-.103	1.072	.187			1.000	.020				
.900	-.065	1.110	.086								
.938	.044										
CM =		.7614		.7803		.8575		.9094		.8444	
CM =		.1059		.0166		.0044		-.0131		.0037	

TABLE II-174 CONFIGURATION 136 M = 0.90 Q = 650 $\alpha = 6.60^\circ$ $C_L = 0.8232$ $\beta = 0^\circ$											
STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933					
X/C	CP	X/C	CP	X/C	CP	X/C					
.019	.076						UPPER SURFACE				
.057	-.134										
.076	-.214										
.080	-.151	-.658	-.353	-.021	-1.242	.023	-1.235	.025	-1.246	.022	-1.222
.085	-.176	-.565	-.439	.035	-1.368	.068	-1.349	.079	-1.344	.075	-1.266
.093	-.136	-.452	-.475	.105	-1.276	.134	-1.307	.133	-1.286	.129	-1.272
.113	.020	-.311	-.540	.178	-.903	.209	-1.263	.214	-1.257	.201	-1.261
.115	.065	-.023	-.439	.286	-.658	.294	-1.220	.295	-1.201	.294	-1.210
.137	.004	.133	-.367	.396	-.659	.404	-1.176	.407	-1.143	.397	-1.137
.138	.030	.272	-.306	.514	-.597	.497	-.829	.502	-.902	.495	-.848
.163	-.007	.416	-.286	.618	-.565	.599	-.437	.601	-.633	.594	-.402
.162	.015	.565	-.296	.733	-.442	.700	-.259	.698	-.354	.693	-.207
.209	-.130	.713	-.325	.835	-.178	.782	-.192	.780	-.186	.784	-.164
.247	-.274	.854	-.368	.919	-.071	.864	-.139	.863	-.145	.856	-.143
.276	-.357	.980	-.322	.987	-.031	.926	-.073	.923	-.085	.926	-.098
.324	-.414	1.074	-.159			.975	-.014	.977	-.034	.977	-.051
.361	-.277	1.122	-.072								
.396	-.217										
.438	-.184										
.487	-.152										
.518	-.180	-.658	.066	-.022	.421	.024	.423	.025	.393	.019	.442
.556	-.156	-.615	.091	.038	.271	.075	.211	.074	.208	.066	.193
.574	-.034	-.572	.076	.101	.169	.137	.114	.130	.102	.136	.124
.593	-.008	-.462	.016	.185	.097	.213	.055	.214	.067	.214	.068
.632	.020	-.329	-.002	.289	.050	.297	.018	.298	.037	.489	.002
.670	.013	-.172	-.056	.398	.007	.400	-.016	.397	.013	.594	-.005
.747	-.067	-.030	-.051	.519	-.001	.498	-.025	.501	.001	.700	.108
.766	-.129	.128	-.015	.620	.013	.604	-.015	.603	.001	.786	.199
.785	-.225	.418	-.002	.737	.123	.705	.098	.703	.126	.858	.263
.804	-.208	.564	.035	.831	.221	.785	.210	.784	.231	.919	.276
.823	-.204	.710	.122	.914	.245	.859	.270	.868	.290	.967	.154
.842	-.187	.857	.225	.986	.110	.922	.275	.923	.291		
.861	-.128	.976	.243	1.012	-.006	.967	.166	.972	.162		
.881	-.112	1.072	.184			1.000	.017				
.900	-.075	1.110	.095								
.938	.037										
CM =		.7583		.7882		.8503		.8961		.8375	
CM =		.1048		.0157		.0074		-.0076		.0077	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-175 CONFIGURATION 136 M = 0.90 Q = 650 $\alpha = 7.13^\circ$ $C_L = 0.8509$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933							
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP							
UPPER SURFACE													
.019	.077												
.057	-.145												
.076	-.213												
.080	-.160	-.658	-.366	-.021	-1.288	.023	-1.299	.025	-1.289	-.022	-1.122	.018	-.859
.085	-.184	-.565	-.470	.035	-1.375	.068	-1.394	.079	-1.383	.075	-1.276	.077	-.672
.093	-.147	-.452	-.494	.105	-1.293	.134	-1.348	.133	-1.323	.129	-1.234	.129	-.758
.113	.017	-.311	-.558	.178	-1.011	.209	-1.317	.214	-1.266	.201	-1.227	.209	-.575
.115	.056	-.023	-.456	.286	-.747	.294	-1.273	.295	-1.224	.294	-1.111	.293	-.495
.137	.004	.133	-.384	.396	-.672	.404	-1.190	.407	-1.148	.397	-1.003	.396	-.475
.138	.032	.272	-.325	.514	-.614	.497	-.845	.502	-.795	.495	-.712	.494	-.397
.163	-.011	.416	-.303	.618	-.591	.599	-.482	.601	-.633	.594	-.470	.590	-.380
.162	.005	.565	-.319	.733	-.471	.700	-.314	.698	-.504	.693	-.339	.693	-.381
.209	-.132	.713	-.342	.835	-.203	.782	-.202	.780	-.390	.784	-.287	.777	-.335
.247	-.280	.854	-.394	.919	-.097	.864	-.133	.865	-.274	.856	-.226	.861	-.292
.276	-.362	.980	-.382	.987	-.044	.926	-.083	.923	-.218	.926	-.168	.918	-.264
.324	-.423	1.074	-.211			.975	-.054	.977	-.116	.977	-.210	.972	-.247
.361	-.304	1.122	-.095										
.396	-.220												
.438	-.185												
LOWER SURFACE													
.487	-.154												
.518	-.184	-.658	.071	-.022	.432	.024	.457	.025	.423	.019	.466	.020	.441
.556	-.198	-.615	.097	.038	.307	.075	.234	.074	.229	.066	.216	.076	.169
.574	-.050	-.572	.087	.101	.193	.137	.139	.130	.132	.136	.131	.136	.052
.593	-.009	-.462	.022	.185	.114	.213	.085	.214	.063	.214	.067	.221	-.007
.632	.019	-.329	-.002	.289	.068	.297	.057	.298	.038	.489	-.007	.295	-.054
.670	.013	-.172	-.058	.398	.026	.400	.004	.397	.012	.594	-.021	.396	-.083
.747	-.067	-.030	-.040	.519	-.002	.498	-.011	.501	-.009	.700	.095	.497	-.110
.766	-.137	.128	-.004	.620	.019	.604	-.007	.603	-.021	.786	.175	.597	-.066
.785	-.225	.418	.026	.737	.128	.705	.102	.703	.095	.858	.244	.702	.054
.804	-.214	.564	.059	.831	.221	.785	.207	.784	.193	.919	.261	.786	.125
.823	-.214	.710	.131	.914	.241	.859	.269	.868	.264	.967	.111	.864	.183
.842	-.193	.857	.232	.986	.117	.922	.272	.923	.255			.912	.170
.861	-.130	.976	.252	1.012	-.018	.967	.163	.972	.111			.985	-.070
.881	-.115	1.072	.186			1.000	.005						
.900	-.077	1.110	.085										
.938	-.034												
CN =		.8184		.8372		.8985		.9362		.8304		.4949	
CM =		.1045		.0152		.0072		-.0196		-.0077		-.0261	

TABLE II-176 CONFIGURATION 136 M = 0.90 Q = 650 $\alpha = 9.42^\circ$ $C_L = 0.8798$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.056												
.057	-.163												
.076	-.231												
.080	-.164	-.658	-.499	-.021	-1.420	.023	-1.141	.025	-.541	.022	-.424	.018	-.402
.085	-.180	-.565	-.573	.035	-1.353	.068	-1.105	.079	-.549	.075	-.430	.077	-.410
.093	-.148	-.452	-.571	.105	-1.335	.134	-1.090	.133	-.535	.129	-.424	.129	-.378
.113	.013	-.311	-.618	.178	-1.282	.209	-1.009	.214	-.522	.201	-.425	.209	-.358
.115	.058	-.023	-.521	.286	-1.260	.294	-.964	.295	-.522	.294	-.410	.293	-.340
.137	-.007	.133	-.431	.396	-1.238	.404	-.874	.407	-.496	.397	-.408	.396	-.334
.138	.019	.272	-.375	.514	-1.156	.497	-.764	.502	-.490	.495	-.398	.494	-.320
.163	-.016	.416	-.359	.618	-1.014	.599	-.714	.601	-.491	.594	-.387	.590	-.306
.162	-.005	.565	-.360	.733	-.470	.700	-.668	.698	-.484	.693	-.385	.693	-.302
.209	-.156	.713	-.379	.835	-.100	.782	-.634	.780	-.476	.784	-.371	.777	-.295
.247	-.298	.854	-.430	.919	-.066	.864	-.631	.863	-.467	.856	-.365	.861	-.278
.276	-.377	.980	-.387	.987	-.031	.926	-.590	.923	-.464	.926	-.367	.918	-.282
.324	-.424	1.074	-.173			.975	-.565	.977	-.442	.977	-.346	.972	-.269
.361	-.322	1.122	-.075										
.396	-.258												
.438	-.237												
.487	-.195												
LOWER SURFACE													
.518	-.229	-.658	.083	-.022	.438	.024	.528	.025	.500	.019	.494	.020	.453
.556	-.277	-.615	.120	.038	.369	.075	.338	.074	.313	.066	.251	.076	.157
.574	-.049	-.572	.136	.101	.287	.137	.235	.130	.201	.136	.147	.136	.041
.593	-.004	-.462	.092	.185	.208	.213	.163	.214	.118	.214	.073	.221	-.027
.632	.006	-.329	.060	.289	.157	.297	.114	.298	.063	.489	-.076	.295	-.078
.670	-.008	-.172	.028	.398	.095	.400	.049	.397	.011	.594	-.111	.396	-.123
.747	-.092	-.030	.032	.519	.063	.498	.017	.501	-.044	.700	-.006	.497	-.162
.766	-.157	.128	.067	.620	.064	.604	-.015	.603	-.086	.786	.092	.597	-.133
.785	-.251	.418	.076	.737	.149	.705	.047	.703	.018	.858	.171	.702	-.018
.804	-.227	.564	.108	.831	.244	.785	.137	.784	.129	.919	.178	.786	.069
.823	-.221	.710	.181	.914	.263	.859	.187	.868	.199	.967	-.009	.864	.131
.842	-.200	.857	.273	.986	.116	.922	.165	.923	.183			.912	.123
.861	-.155	.976	.285	1.012	-.015	.967	-.048	.972	.037			.985	-.192
.881	-.139	1.072	.209			1.000	-.458						
.900	-.094	1.110	.100										
.938	.025												
CN =		1.0079		1.1389		.9437		.5906		.4557		.3181	
CM =		.1622		.0062		-.0665		-.0633		-.0465		-.0257	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~
~~CONFIDENTIAL~~

TABLE II-177 CONFIGURATION 136 M = 0.90 Q = 650 $\alpha = 11.61^\circ$ $C_L = 1.0033$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 .033						
.057 -.180						
.076 -.240						
.080 -.174	-.658 -.627	-.021 -1.370	.023 -.763	.025 -.601	.022 -.444	.018 -.374
.085 -.177	-.565 -.708	.035 -1.368	.068 -.715	.079 -.596	.075 -.430	.077 -.384
.093 -.148	-.452 -.678	.105 -1.380	.134 -.757	.133 -.599	.129 -.422	.129 -.374
.113 .018	-.311 -.684	.178 -1.367	.209 -.807	.214 -.582	.201 -.422	.209 -.367
.115 .048	-.023 -.557	.286 -1.351	.294 -.722	.295 -.559	.294 -.427	.293 -.359
.137 -.004	.133 -.488	.396 -1.212	.404 -.727	.407 -.558	.397 -.408	.396 -.358
.138 .010	.272 -.472	.514 -.181	.497 -.719	.502 -.552	.495 -.409	.494 -.352
.163 -.020	.416 -.454	.618 -.925	.599 -.698	.601 -.534	.594 -.396	.590 -.349
.162 -.026	.565 -.434	.733 -.882	.700 -.687	.698 -.532	.693 -.405	.693 -.340
.209 -.167	.713 -.446	.835 -.784	.782 -.690	.780 -.526	.784 -.392	.777 -.333
.247 -.310	.854 -.409	.919 -.609	.864 -.651	.863 -.512	.856 -.395	.861 -.337
.276 -.382	.980 -.434	.987 -.420	.926 -.643	.923 -.497	.926 -.399	.918 -.331
.324 -.418	1.074 -.157		.975 -.627	.977 -.472	.977 -.379	.972 -.321
.361 -.322	1.122 -.094					
.396 -.278						
.438 -.273						
.487 -.235						
.518 -.237	-.658 .091	-.022 .430	.024 .557	.025 .541	.019 .527	.020 .492
.556 -.140	-.615 .144	.038 .427	.075 .419	.074 .369	.066 .325	.076 .228
.574 -.066	-.572 .167	.101 .352	.137 .303	.130 .266	.136 .216	.136 .108
.593 -.032	-.462 .146	.185 .295	.213 .226	.214 .167	.214 .136	.221 .025
.632 -.040	-.329 .136	.289 .227	.297 .174	.298 .104	.489 -.038	.295 -.035
.670 -.041	-.172 .093	.398 .159	.400 .095	.397 .051	.594 -.090	.396 -.089
.747 -.099	-.030 .096	.519 .126	.498 .046	.501 -.010	.700 .005	.497 -.143
.766 -.158	.128 .127	.620 .104	.604 .004	.603 -.067	.786 .097	.597 -.138
.785 -.245	.418 .126	.737 .171	.705 .036	.703 .022	.858 .177	.702 -.038
.804 -.227	.564 .156	.831 .262	.785 .121	.784 .131	.919 .180	.786 .047
.823 -.226	.710 .224	.914 .274	.859 .181	.868 .198	.967 -.019	.864 .102
.842 -.223	.857 .316	.986 .058	.922 .151	.923 .184		.912 .094
.861 -.190	.976 .317	1.012 -.068	.967 -.077	.972 -.042		.985 -.240
.881 -.197	1.072 .242		1.000 -.608			
.900 -.149	1.110 .125					
.938 -.007						
CN =	1.2152	1.3643	.8597	.6679	.5018	.3580
CH =	.2159	-.0740	-.0867	-.0671	-.0468	-.0279

TABLE II-178 CONFIGURATION 136 M = 0.90 Q = 650 $\alpha = 13.74^\circ$ $C_L = 1.1021$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 .013						
.057 -.187						
.076 -.238						
.080 -.174	-.658 -.781	-.021 -1.332	.023 -.783	.025 -.608	.022 -.439	.018 -.382
.085 -.175	-.565 -.874	.035 -1.334	.068 -.765	.079 -.591	.075 -.443	.077 -.383
.093 -.152	-.452 -.783	.105 -1.305	.134 -.777	.133 -.589	.129 -.435	.129 -.372
.113 .015	-.311 -.735	.178 -1.195	.209 -.774	.214 -.569	.201 -.433	.209 -.365
.115 .033	-.023 -.565	.286 -1.076	.294 -.769	.295 -.568	.294 -.424	.293 -.367
.137 -.007	.133 -.494	.396 -1.055	.404 -.755	.407 -.554	.397 -.433	.396 -.362
.138 -.009	.272 -.474	.514 -1.033	.497 -.735	.502 -.541	.495 -.420	.494 -.359
.163 -.024	.416 -.473	.618 -.992	.599 -.705	.601 -.539	.594 -.418	.590 -.364
.162 -.043	.565 -.469	.733 -.922	.700 -.692	.698 -.542	.693 -.412	.693 -.356
.209 -.185	.713 -.354	.835 -.883	.782 -.665	.780 -.526	.784 -.415	.777 -.351
.247 -.324	.854 -.419	.919 -.831	.864 -.650	.863 -.524	.856 -.409	.861 -.351
.276 -.394	.980 -.523	.987 -.820	.926 -.621	.923 -.508	.926 -.399	.918 -.352
.324 -.441	1.074 -.531		.975 -.605	.977 -.489	.977 -.399	.972 -.334
.361 -.342	1.122 -.254					
.396 -.302						
.438 -.316						
.487 -.223						
.518 -.142	-.658 .096	-.022 .402	.024 .577	.025 .570	.019 .560	.020 .510
.556 -.293	-.615 .177	.038 .473	.075 .470	.074 .429	.066 .393	.076 .311
.574 -.370	-.572 .222	.101 .414	.137 .376	.130 .320	.136 .283	.136 .172
.593 -.138	-.462 .208	.185 .343	.213 .272	.214 .223	.214 .184	.221 .078
.632 -.075	-.329 .194	.289 .271	.297 .201	.298 .155	.489 .000	.295 .016
.670 -.053	-.172 .149	.398 .199	.400 .123	.397 .089	.594 -.059	.396 -.044
.747 -.098	-.030 .160	.519 .147	.498 .065	.501 .018	.700 .024	.497 -.109
.766 -.161	.128 .179	.620 .122	.604 .000	.603 -.044	.786 .108	.597 -.118
.785 -.248	.418 .177	.737 .166	.705 .039	.703 .037	.858 .183	.702 -.028
.804 -.239	.564 .192	.831 .229	.785 .124	.784 .145	.919 .188	.786 .043
.823 -.236	.710 .253	.914 .216	.859 .186	.868 .210	.967 -.018	.864 .099
.842 -.235	.857 .339	.986 -.046	.922 .155	.923 .196		.912 .089
.861 -.213	.976 .326	1.012 -.693	.967 -.069	.972 -.036		.985 -.251
.881 -.234	1.072 .226		1.000 -.582			
.900 -.225	1.110 .080					
.938 -.035						
CN =	1.3794	1.3464	.8894	.7004	.5471	.3958
CH =	.2560	-.1009	-.0823	-.0690	-.0509	-.0285

~~CONFIDENTIAL~~
~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-179 CONFIGURATION 136 M = 0.90 Q = 650 $\alpha = 14.86^\circ$ $C_L = 1.1688$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.003												
.057	-.192												
.076	-.241												
.080	-.171	-.658	-.875	-.021	-1.315	.023	-.777	.025	-.610	.022	-.454	.018	-.382
.085	-.166	-.565	-1.075	.035	-1.267	.068	-.778	.079	-.601	.075	-.446	.077	-.387
.093	-.157	-.452	-.882	.105	-1.083	.134	-.792	.133	-.660	.129	-.450	.129	-.385
.113	.014	-.311	-.781	.178	-1.073	.209	-.787	.214	-.585	.201	-.444	.209	-.375
.115	.016	-.023	-.569	.286	-1.104	.294	-.778	.295	-.576	.284	-.440	.293	-.370
.137	-.007	.133	-.493	.396	-1.107	.404	-.763	.407	-.565	.397	-.430	.396	-.371
.138	-.019	.272	-.471	.514	-1.080	.497	-.741	.502	-.558	.495	-.425	.494	-.364
.163	-.022	.416	-.477	.618	-1.045	.599	-.710	.601	-.545	.594	-.424	.590	-.362
.162	-.059	.565	-.371	.733	-.959	.700	-.687	.698	-.545	.693	-.422	.693	-.361
.209	-.193	.713	-.367	.835	-.912	.782	-.665	.780	-.533	.784	-.422	.777	-.366
.247	-.324	.854	-.525	.919	-.870	.864	-.646	.863	-.527	.856	-.417	.861	-.352
.276	-.404	.980	-.603	.987	-.873	.926	-.633	.923	-.516	.926	-.410	.918	-.351
.324	-.448	1.074	-.655			.975	-.622	.977	-.493	.977	-.403	.972	-.348
.361	-.351	1.122	-.337										
.396	-.314												
.438	-.328												
.487	-.129												
.518	-.208	-.658	.096	-.022	.387	.024	.574	.025	.583	.019	.566	.020	.529
.556	-.411	-.615	.193	.038	.501	.075	.498	.074	.457	.066	.422	.076	.332
.574	-.476	-.572	.240	.101	.439	.137	.393	.130	.354	.136	.306	.136	.202
.593	-.160	-.462	.247	.185	.364	.213	.303	.214	.266	.214	.219	.221	.107
.632	-.063	-.329	.225	.289	.297	.297	.227	.298	.191	.489	.017	.295	.046
.670	-.054	-.172	.187	.398	.229	.400	.140	.397	.108	.594	-.038	.396	-.032
.747	-.110	-.030	.184	.519	.167	.498	.081	.501	.039	.700	.040	.497	-.093
.766	-.175	.128	.206	.620	.140	.604	.023	.603	-.022	.786	.113	.597	-.104
.785	-.265	.418	.204	.737	.172	.705	.053	.703	.046	.858	.194	.702	-.029
.804	-.243	.564	.218	.831	.236	.785	.130	.784	.153	.919	.194	.786	.041
.823	-.245	.710	.274	.914	.222	.859	.189	.868	.218	.967	-.016	.864	.101
.842	-.247	.857	.351	.986	-.051	.922	.162	.923	.195			.912	.085
.861	-.227	.976	.336	1.012	-.776	.967	-.069	.972	-.036			.985	-.262
.881	-.257	1.072	.224			1.000	-.598						
.900	-.266	1.110	.066										
.938	-.049												
CN =		1.4924		1.3639		.9110		.7287		.5729		.4143	
CM =		.2894		-.1176		-.0834		-.0698		-.0523		-.0279	

TABLE II-180 CONFIGURATION 138 M = 0.90 Q = 650 $\alpha = 12.71^\circ$ $C_L = 1.0412$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.009												
.057	-.168												
.076	-.218												
.080	-.114	-.658	-.533	-.021	-1.338	.023	-.758	.025	-.579	.022	-.421	.018	-.374
.085	-.122	-.565	-.958	.035	-1.322	.068	-.768	.079	-.579	.075	-.426	.077	-.382
.093	-.077	-.452	-.774	.105	-1.318	.134	-.763	.133	-.571	.129	-.428	.129	-.376
.113	-.034	-.311	-.683	.178	-1.287	.209	-.764	.214	-.549	.201	-.421	.209	-.369
.115	-.054	-.023	-.516	.286	-1.058	.294	-.766	.295	-.552	.284	-.412	.293	-.364
.137	-.040	.133	-.489	.396	-1.001	.404	-.745	.407	-.537	.397	-.415	.396	-.360
.138	-.071	.272	-.443	.514	-.996	.497	-.726	.502	-.528	.495	-.404	.494	-.351
.163	-.055	.416	-.466	.618	-.953	.599	-.704	.601	-.527	.594	-.402	.590	-.347
.162	-.065	.565	-.463	.733	-.896	.700	-.678	.698	-.526	.693	-.400	.693	-.346
.209	-.222	.713	-.391	.835	-.857	.782	-.654	.780	-.520	.784	-.400	.777	-.339
.247	-.346	.854	-.392	.919	-.810	.864	-.629	.863	-.512	.856	-.398	.861	-.335
.276	-.399	.980	-.497	.987	-.774	.926	-.594	.923	-.501	.926	-.393	.918	-.332
.324	-.403	1.074	-.407			.975	-.573	.977	-.476	.977	-.398	.972	-.327
.361	-.345	1.122	-.237										
.396	-.305												
.438	-.330												
.487	-.251												
.518	-.173	-.658	.090	-.022	.433	.024	.595	.025	.543	.019	.535	.020	.497
.556	-.246	-.615	.178	.038	.470	.075	.455	.074	.386	.066	.354	.076	.279
.574	-.212	-.572	.194	.101	.396	.137	.338	.130	.276	.136	.237	.136	.148
.593	-.129	-.462	.188	.185	.317	.213	.257	.214	.189	.214	.164	.221	.054
.670	-.061	-.329	.163	.289	.250	.297	.200	.298	.129	.292	.088	.295	-.003
.708	-.053	-.172	.121	.519	.125	.400	.109	.397	.060	.489	-.016	.396	-.074
.747	-.100	-.030	.123	.620	.106	.498	.039	.501	-.012	.594	-.081	.497	-.128
.785	-.239	.128	.152	.737	.185	.604	-.017	.603	-.067	.700	.010	.597	-.130
.804	-.229	.418	.153	.831	.240	.705	.029	.703	.017	.786	.094	.702	-.034
.823	-.234	.564	.176	.914	.227	.785	.117	.784	.128	.858	.171	.786	.041
.861	-.199	.710	.241	.986	-.050	.859	.179	.868	.190	.919	.172	.864	.095
.900	-.165	.857	.337	1.012	-.555	.967	-.089	.923	.171			.912	.090
.938	-.023	.976	.332			1.000	-.613	.972	-.072			.985	-.207
		1.072	.232										
		1.110	.105										
CN =		1.3009		1.3225		.8589		.6578		.5112		.3756	
CM =		.2330		-.0927		-.0737		-.0650		-.0499		-.0276	

~~CONFIDENTIAL~~

TABLE II-181 CONFIGURATION 138 M = 0.90 Q = 650 $\alpha = 15.09^\circ$ $C_L = 1.1771$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 -.018						
.057 -.169						
.076 -.199						
.080 -.113	-.658 -.642	-.021 -1.307	.023 -.761	.025 -.599	.022 -.463	.018 -.377
.085 -.106	-.565 -1.164	.035 -1.293	.068 -.761	.079 -.596	.075 -.459	.077 -.381
.093 -.086	-.452 -.919	.105 -1.133	.134 -.773	.133 -.586	.129 -.455	.129 -.377
.113 -.029	-.311 -.756	.178 -1.080	.209 -.776	.214 -.581	.201 -.449	.209 -.379
.115 -.067	-.023 -.521	.286 -1.067	.294 -.754	.295 -.573	.294 -.438	.293 -.379
.137 -.036	.133 -.490	.396 -1.073	.404 -.732	.407 -.570	.397 -.440	.396 -.361
.138 -.073	.272 -.462	.514 -1.052	.497 -.722	.502 -.548	.495 -.433	.494 -.364
.163 -.052	.416 -.474	.618 -1.009	.599 -.685	.601 -.549	.594 -.422	.590 -.365
.167 -.070	.565 -.401	.733 -.948	.700 -.675	.698 -.541	.693 -.419	.693 -.359
.209 -.233	.713 -.328	.835 -.907	.782 -.651	.780 -.535	.784 -.423	.777 -.361
.247 -.356	.854 -.523	.919 -.869	.864 -.637	.863 -.526	.856 -.422	.861 -.351
.276 -.411	.980 -.608	.987 -.873	.926 -.623	.923 -.515	.926 -.404	.918 -.356
.324 -.436	1.074 -.631		.975 -.605	.977 -.496	.977 -.400	.972 -.349
.361 -.367	1.122 -.360					
.396 -.320						
.438 -.373						
.487 -.178						
.518 -.187	-.658 .089	-.022 .405	.024 .605	.025 .567	.019 .558	.020 .516
.556 -.379	-.615 .205	.038 .518	.075 .510	.074 .453	.066 .405	.076 .336
.574 -.466	-.572 .249	.101 .462	.137 .403	.130 .342	.136 .295	.136 .212
.593 -.201	-.462 .267	.185 .392	.213 .321	.214 .253	.214 .216	.221 .116
.670 -.067	-.329 .248	.249 .317	.297 .244	.298 .191	.292 .147	.295 .051
.708 -.061	-.172 .206	.519 .169	.400 .156	.397 .115	.489 .036	.396 -.022
.747 -.117	-.030 .191	.620 .143	.498 .076	.501 .034	.594 -.039	.497 -.089
.785 -.253	.128 .210	.737 .200	.604 .008	.603 -.030	.700 .029	.597 -.111
.804 -.244	.418 .221	.831 .241	.705 .042	.703 .042	.786 .102	.702 -.030
.823 -.240	.564 .231	.914 .222	.785 .131	.784 .148	.858 .182	.786 .036
.861 -.220	.710 .284	.986 -.078	.859 .195	.868 .211	.919 .183	.864 .089
.900 -.242	.857 .368	1.012 -.839	.967 -.081	.923 .181		.912 .080
.938 -.047	.976 .349		1.000 -.612	.972 -.073		.985 -.231
	1.072 .222					
	1.110 .059					
CN =	1.4955	1.3634	.8917	.7184	.5720	.4151
CM =	.2863	-.1118	-.0756	-.0685	-.0524	-.0280

TABLE II-182 CONFIGURATION 138 M = 0.90 Q = 650 $\alpha = 17.45^\circ$ $C_L = 1.3145$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 -.028						
.057 -.169						
.076 -.192						
.080 -.124	-.658 -.744	-.021 -1.291	.023 -.755	.025 -.591	.022 -.490	.018 -.405
.085 -.097	-.565 -1.335	.035 -1.220	.068 -.763	.079 -.596	.075 -.493	.077 -.408
.093 -.104	-.452 -1.299	.105 -1.077	.134 -.755	.133 -.594	.129 -.489	.129 -.408
.113 -.026	-.311 -1.057	.178 -1.087	.209 -.777	.214 -.595	.201 -.489	.209 -.400
.115 -.088	-.023 -.562	.286 -1.081	.294 -.768	.295 -.581	.294 -.469	.293 -.398
.137 -.043	.133 -.562	.396 -1.083	.404 -.743	.407 -.566	.397 -.470	.396 -.390
.138 -.094	.272 -.529	.514 -1.047	.497 -.725	.502 -.566	.495 -.458	.494 -.391
.163 -.052	.416 -.549	.618 -1.046	.599 -.710	.601 -.568	.594 -.460	.590 -.391
.167 -.092	.565 -.368	.733 -.998	.700 -.680	.698 -.555	.693 -.453	.693 -.392
.209 -.248	.713 -.465	.835 -.940	.782 -.659	.780 -.552	.784 -.455	.777 -.394
.247 -.368	.854 -.620	.919 -.923	.864 -.641	.863 -.543	.856 -.448	.861 -.388
.276 -.426	.980 -.672	.987 -.937	.926 -.629	.923 -.535	.926 -.440	.918 -.380
.324 -.470	1.074 -.656		.975 -.612	.977 -.515	.977 -.441	.972 -.379
.361 -.405	1.122 -.586					
.396 -.345						
.438 -.420						
.487 -.179						
.518 -.298	-.658 .102	-.022 .357	.024 .608	.025 .580	.019 .558	.020 .518
.556 -.450	-.615 .227	.038 .564	.075 .570	.074 .497	.066 .471	.076 .402
.574 -.516	-.572 .297	.101 .525	.137 .466	.130 .414	.136 .365	.136 .272
.593 -.405	-.462 .324	.185 .453	.213 .384	.214 .320	.214 .279	.221 .182
.670 -.096	-.329 .320	.289 .380	.297 .317	.298 .248	.292 .211	.295 .108
.708 -.097	-.172 .279	.519 .229	.400 .213	.397 .172	.489 .083	.396 .022
.747 -.150	-.030 .270	.620 .187	.498 .132	.501 .091	.594 -.002	.497 -.050
.785 -.291	.128 .286	.737 .230	.604 .062	.603 .019	.700 .057	.597 -.074
.804 -.261	.418 .284	.831 .268	.705 .083	.703 .069	.786 .125	.702 -.019
.823 -.262	.564 .291	.914 .239	.785 .164	.784 .168	.858 .198	.786 .038
.861 -.260	.710 .335	.986 -.065	.859 .216	.868 .222	.919 .193	.864 .087
.900 -.319	.857 .406	1.012 -.935	.967 -.072	.923 .193		.912 .077
.938 -.083	.976 .378		1.000 -.624	.972 -.064		.985 -.242
	1.072 .239					
	1.110 .062					
CN =	1.8198	1.4223	.9435	.7713	.6447	.4741
CM =	.3901	-.1279	-.0811	-.0739	-.0585	-.0315

~~CONFIDENTIAL~~

TABLE II-183 CONFIGURATION 138 M = 0.80 Q = 650 $\alpha = 19.53^\circ$ $C_L = 1.4279$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 -.044						
.057 -.165						
.076 -.168						
.080 -.136						
.085 -.088	-.658 -.819	-.021 -1.199	.023 -.802	.025 -.593	.022 -.523	.018 -.434
.093 -.124	-.565 -1.419	.035 -1.085	.068 -.761	.079 -.593	.075 -.527	.077 -.441
.113 -.039	-.452 -1.410	.105 -1.086	.134 -.751	.133 -.586	.129 -.515	.129 -.437
.115 -.112	-.311 -1.424	.178 -1.094	.209 -.747	.214 -.598	.201 -.514	.209 -.442
.137 -.035	-.023 -.906	.286 -1.130	.294 -.747	.295 -.595	.294 -.506	.293 -.427
.138 -.104	.133 -.730	.396 -.125	.404 -.719	.407 -.587	.397 -.497	.396 -.422
.163 -.051	.272 -.679	.514 -1.098	.497 -.696	.502 -.575	.495 -.496	.494 -.423
.162 -.109	.416 -.637	.618 -1.075	.599 -.691	.601 -.576	.594 -.487	.590 -.420
.209 -.263	.565 -.490	.733 -1.013	.700 -.674	.698 -.571	.693 -.484	.693 -.418
.247 -.393	.713 -.672	.835 -.966	.782 -.659	.780 -.563	.784 -.489	.777 -.423
.276 -.463	.854 -.801	.919 -.938	.864 -.648	.863 -.559	.856 -.477	.861 -.414
.324 -.524	.980 -.764	.987 -.976	.926 -.639	.923 -.552	.926 -.472	.918 -.407
.361 -.454	1.074 -.705		.975 -.629	.977 -.539	.977 -.464	.972 -.403
.396 -.408	1.122 -.468					
.438 -.469						
.487 -.261						
.518 -.463	-.658 .096	-.022 .304	.024 .597	.025 .576	.019 .536	.020 .512
.556 -.536	-.615 .258	.038 .586	.075 .603	.074 .547	.066 .504	.076 .435
.574 -.577	-.572 .330	.101 .574	.137 .516	.130 .461	.136 .409	.136 .319
.593 -.244	-.462 .373	.185 .505	.213 .437	.214 .365	.214 .321	.221 .217
.670 -.112	-.329 .381	.289 .433	.297 .364	.298 .307	.292 .246	.295 .143
.708 -.122	-.172 .350	.519 .282	.400 .261	.397 .219	.489 .122	.396 .065
.747 -.181	-.030 .323	.620 .220	.498 .178	.501 .130	.594 .038	.497 -.016
.785 -.325	.128 .343	.737 .258	.604 .099	.603 .066	.700 .076	.597 -.053
.804 -.283	.418 .348	.831 .289	.705 .113	.703 .095	.786 .134	.702 -.011
.823 -.282	.564 .333	.914 .256	.785 .184	.784 .191	.858 .198	.784 .041
.861 -.300	.710 .376	.986 -.061	.859 .238	.868 .231	.919 .196	.864 .083
.900 -.353	.857 .434	1.012 -.960	.967 -.064	.923 .199		.912 .074
.938 -.129	.976 .399		1.000 -.647	.972 -.067		.985 -.254
	1.072 .256					
	1.110 .071					
CM =	2.2249	1.4725	.9688	.8153	.7006	.5248
CM =	.4850	-.1412	-.0840	-.0792	-.0642	-.0346

TABLE II-184 CONFIGURATION 136 M = 0.80 Q = 1000 $\alpha = 0.05^\circ$ $C_L = 0.0395$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 .148						
.057 -.045						
.076 -.126						
.080 -.109	-.658 -.094	-.021 -.062	.023 -.168	.025 -.074	.022 .096	.018 .208
.085 -.115	-.565 -.190	.035 -.266	.068 -.281	.079 -.321	.075 -.107	.077 -.063
.093 -.103	-.452 -.259	.105 -.264	.134 -.232	.133 -.158	.129 -.092	.129 -.100
.113 .041	-.311 -.297	.178 -.271	.209 -.201	.214 -.154	.201 -.117	.209 -.104
.115 .094	-.023 -.246	.286 -.254	.294 -.191	.295 -.154	.294 -.101	.293 -.111
.137 .038	.133 -.172	.396 -.236	.404 -.188	.407 -.172	.397 -.136	.396 -.120
.138 .054	.272 -.109	.514 -.174	.497 -.183	.502 -.177	.495 -.160	.494 -.144
.163 .012	.416 -.093	.618 -.164	.599 -.192	.601 -.199	.594 -.184	.590 -.153
.162 .039	.565 -.091	.733 -.170	.700 -.223	.698 -.232	.693 -.228	.693 -.183
.209 -.061	.713 -.067	.835 -.160	.782 -.221	.780 -.257	.784 -.259	.777 -.204
.247 -.197	.854 -.065	.919 -.117	.864 -.224	.863 -.263	.856 -.260	.861 -.186
.276 -.265	.980 -.051	.987 -.007	.926 -.154	.923 -.177	.926 -.183	.918 -.144
.324 -.259	1.074 -.027		.975 -.030	.977 -.033	.977 -.021	.972 -.007
.361 -.174	1.122 .005					
.396 -.096						
.438 -.045						
.487 .034						
.518 .050	-.658 .005	-.022 .064	.024 -.192	.025 -.450	.019 -.542	.020 -.459
.556 .052	-.615 -.020	.038 -.201	.075 -.367	.074 -.444	.066 -.597	.076 -.636
.574 .643	-.572 -.050	.101 -.264	.137 -.343	.130 -.398	.136 -.385	.136 -.535
.593 .025	-.462 -.130	.185 -.265	.213 -.291	.214 -.294	.214 -.295	.221 -.283
.632 .016	-.329 -.154	.289 -.249	.297 -.255	.298 -.248	.489 -.171	.295 -.230
.670 .004	-.172 -.209	.398 -.222	.400 -.224	.397 -.216	.594 -.114	.396 -.175
.747 -.069	-.030 -.189	.519 -.165	.498 -.185	.501 -.167	.700 .058	.497 -.121
.766 -.119	.128 -.182	.620 -.090	.604 -.125	.603 -.123	.786 .167	.597 -.044
.785 -.200	.418 -.191	.737 .056	.705 .039	.703 .059	.858 .186	.702 .101
.804 -.192	.564 -.134	.831 .158	.785 .156	.784 .157	.919 .212	.786 .176
.823 -.182	.710 .002	.914 .202	.859 .204	.868 .202	.967 .158	.864 .215
.842 -.142	.857 .132	.986 .136	.922 .222	.923 .227		.912 .227
.861 -.064	.976 .172	1.012 .073	.967 .146	.972 .156		.985 .087
.881 -.019	1.072 .143		1.000 .049			
.900 .011	1.110 .089					
.938 .073						
CM =	.1158	.1074	.0897	.0665	.0150	-.0028
CM =	.0106	-.0414	-.0604	-.0748	-.0855	-.0831

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-185 CONFIGURATION 136 M = 0.80 Q = 1000 $\alpha = 1.40^\circ$ $C_L = 0.1826$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .480 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
.019 .124						
.057 -.069						
.076 -.127						
.080 -.110	-.658 -.144	-.021 -.308	.023 -.574	.025 -.338	.022 -.173	.018 -.013
.085 -.125	-.565 -.241	.035 -.426	.068 -.561	.079 -.519	.075 -.306	.077 -.236
.093 -.112	-.452 -.297	.105 -.410	.134 -.346	.133 -.301	.129 -.236	.129 -.227
.113 .023	-.311 -.330	.178 -.380	.209 -.302	.214 -.262	.201 -.223	.209 -.201
.115 .081	-.023 -.316	.286 -.351	.294 -.268	.295 -.242	.294 -.200	.293 -.182
.137 .019	.133 -.222	.396 -.289	.404 -.251	.407 -.242	.397 -.202	.396 -.165
.138 .034	.272 -.152	.514 -.222	.497 -.240	.502 -.234	.495 -.223	.494 -.183
.163 .004	.416 -.136	.618 -.195	.599 -.238	.601 -.244	.594 -.231	.590 -.193
.162 .048	.565 -.133	.733 -.190	.700 -.244	.698 -.276	.693 -.273	.693 -.212
.209 -.091	.713 -.092	.835 -.171	.782 -.244	.780 -.291	.784 -.299	.777 -.228
.247 -.222	.854 -.085	.919 -.120	.864 -.237	.863 -.279	.856 -.290	.861 -.205
.276 -.287	.980 -.070	.987 -.009	.926 -.160	.923 -.187	.926 -.203	.918 -.167
.324 -.285	1.074 -.044		.975 -.041	.977 -.045	.977 -.039	.972 -.023
.361 -.195	1.122 -.002					
.396 -.128						
.438 -.074						
.487 .004						
.518 .034	-.658 .011	-.022 .174	.024 .016	.025 -.175	.019 -.164	.020 -.175
.556 .043	-.615 .009	.038 -.075	.075 -.187	.074 -.259	.066 -.304	.076 -.361
.574 .033	-.572 .002	.101 -.147	.137 -.219	.130 -.204	.136 -.249	.136 -.312
.593 .018	-.462 -.098	.185 -.170	.213 -.203	.214 -.209	.214 -.206	.221 -.255
.632 .012	-.329 -.114	.289 -.177	.297 -.199	.298 -.180	.489 -.133	.295 -.177
.670 .003	-.172 -.179	.398 -.163	.400 -.172	.397 -.152	.594 -.091	.396 -.133
.747 -.073	-.030 -.167	.519 -.131	.498 -.139	.501 -.123	.700 .071	.497 -.102
.766 -.128	.128 -.142	.620 -.074	.604 -.092	.603 -.098	.786 .173	.597 -.035
.785 -.209	.418 -.152	.737 .069	.705 .046	.703 .064	.858 .229	.702 .102
.804 -.195	.564 -.090	.831 .170	.785 .164	.784 .190	.919 .255	.786 .200
.823 -.183	.710 .024	.914 .213	.859 .218	.868 .244	.967 .163	.864 .256
.842 -.144	.857 .149	.986 .133	.922 .234	.923 .259		.912 .255
.861 -.072	.976 .184		.967 .146	.972 .158		.985 .068
.881 -.033	1.072 .149	1.012 .076	1.000 .037			
.900 .006	1.110 .085					
.938 .070						
CN =	.2412	.2320	.2270	.2155	.1729	.1256
CM =	.0401	-.0271	-.0655	-.0640	-.0735	-.0694

TABLE II-186 CONFIGURATION 136 M = 0.80 Q = 1000 $\alpha = 2.73^\circ$ $C_L = 0.3160$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .480 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
.019 .110						
.057 -.113						
.076 -.143						
.080 -.117	-.658 -.191	-.021 -.492	.023 -1.052	.025 -.675	.022 -.477	.018 -.349
.085 -.139	-.565 -.313	.035 -.627	.068 -.743	.079 -.772	.075 -.488	.077 -.422
.093 -.113	-.452 -.347	.105 -.544	.134 -.480	.133 -.431	.129 -.369	.129 -.320
.113 .021	-.311 -.368	.178 -.476	.209 -.406	.214 -.346	.201 -.338	.209 -.282
.115 .062	-.023 -.342	.286 -.414	.294 -.347	.295 -.313	.294 -.273	.293 -.243
.137 .022	.133 -.256	.396 -.348	.404 -.308	.407 -.295	.397 -.263	.396 -.212
.138 .031	.272 -.201	.514 -.262	.497 -.278	.502 -.287	.495 -.265	.494 -.215
.163 .015	.416 -.167	.618 -.236	.599 -.277	.601 -.287	.594 -.264	.590 -.211
.162 .026	.565 -.155	.733 -.206	.700 -.279	.698 -.304	.693 -.304	.693 -.233
.209 -.110	.713 -.118	.835 -.174	.782 -.260	.780 -.314	.784 -.321	.777 -.249
.247 -.233	.854 -.099	.919 -.114	.864 -.238	.863 -.282	.856 -.298	.861 -.220
.276 -.302	.980 -.095	.987 -.003	.926 -.151	.923 -.181	.926 -.197	.918 -.169
.324 -.311	1.074 -.048		.975 -.034	.977 -.049	.977 -.041	.972 -.024
.361 -.211	1.122 -.007					
.396 -.150						
.438 -.099						
.487 -.012						
.518 .017	-.658 .030	-.022 .287	.024 .209	.025 .115	.019 .095	.020 .117
.556 .032	-.615 .036	.038 .046	.075 -.040	.074 -.061	.066 -.147	.076 -.175
.574 .024	-.572 .001	.101 -.059	.137 -.092	.130 -.110	.136 -.129	.136 -.186
.593 .011	-.462 -.062	.185 -.099	.213 -.120	.214 -.131	.214 -.124	.221 -.153
.632 .011	-.329 -.083	.289 -.109	.297 -.120	.298 -.111	.489 -.092	.295 -.146
.670 .000	-.172 -.149	.398 -.102	.400 -.122	.397 -.095	.594 -.065	.396 -.096
.747 -.075	-.030 -.141	.519 -.098	.498 -.103	.501 -.087	.700 .083	.497 -.083
.766 -.126	.128 -.116	.620 -.046	.604 -.074	.603 -.073	.786 .178	.597 -.030
.785 -.203	.418 -.106	.737 .080	.705 .058	.703 .081	.858 .240	.702 .099
.804 -.201	.564 -.053	.831 .179	.785 .172	.784 .194	.919 .265	.786 .194
.823 -.187	.710 .049	.914 .223	.859 .228	.868 .263	.967 .155	.864 .248
.842 -.153	.857 .163	.986 .125	.922 .239	.923 .263		.912 .251
.861 -.082	.976 .202	1.012 .050	.967 .146	.972 .152		.985 .058
.881 -.039	1.072 .158		1.000 .030			
.900 -.006	1.110 .085					
.938 .062						
CN =	.3484	.3445	.3554	.3478	.2972	.2339
CM =	.0664	-.0134	-.0288	-.0478	-.0585	-.0506

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-187 CONFIGURATION 136 M = 0.80 Q = 1000 $\alpha = 3.40^\circ$ $C_L = 0.3802$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.101												
.057	-.102												
.076	-.156												
.080	-.132	-.658	-.210	-.021	-.706	.023	-1.183	.025	-.958	.022	-.760	.018	-.534
.085	-.152	-.565	-.309	.035	-.811	.068	-1.065	.079	-.843	.075	-.647	.077	-.529
.093	-.121	-.452	-.369	.105	-.599	.134	-.527	.133	-.492	.129	-.456	.129	-.394
.113	.015	-.311	-.381	.178	-.518	.209	-.450	.214	-.402	.201	-.397	.209	-.330
.115	.078	-.023	-.337	.286	-.445	.294	-.379	.295	-.344	.294	-.309	.293	-.277
.137	.010	.133	-.261	.396	-.374	.404	-.328	.407	-.314	.397	-.288	.396	-.230
.138	.028	.272	-.213	.514	-.284	.497	-.294	.502	-.301	.495	-.285	.494	-.230
.163	-.027	.416	-.199	.618	-.257	.599	-.287	.601	-.299	.594	-.285	.590	-.220
.162	.020	.565	-.168	.733	-.217	.700	-.287	.698	-.315	.693	-.317	.693	-.243
.209	-.120	.713	-.135	.835	-.170	.782	-.273	.780	-.326	.784	-.338	.777	-.256
.247	-.244	.854	-.118	.919	-.094	.864	-.237	.863	-.282	.856	-.303	.861	-.229
.276	-.307	.980	-.093	.987	.001	.926	-.140	.923	-.177	.926	-.189	.918	-.177
.324	-.316	1.074	-.061			.975	-.032	.977	-.046	.977	-.035	.972	-.024
.361	-.231	1.122	-.008										
.396	-.163												
.438	-.114												
.487	-.027												
.518	.012	-.658	.040	-.022	.312	.024	.253	.025	.168	.019	.187	.020	.221
.556	.023	-.615	.044	.038	.086	.075	.014	.074	-.018	.066	-.044	.076	-.112
.574	.017	-.572	.013	.101	-.012	.137	-.048	.130	-.063	.136	-.075	.136	-.144
.593	.008	-.462	-.045	.185	-.055	.213	-.082	.214	-.072	.214	-.082	.221	-.130
.632	.010	-.329	-.080	.289	-.065	.297	-.080	.298	-.077	.298	-.075	.295	-.125
.670	.004	-.172	-.129	.398	-.090	.400	-.092	.397	-.085	.594	-.051	.396	-.077
.747	-.076	-.030	-.115	.519	-.088	.498	-.088	.501	-.073	.709	.087	.497	-.078
.766	-.133	.128	-.092	.620	-.037	.604	-.062	.603	-.052	.786	.177	.597	-.022
.785	-.216	.418	-.101	.737	.090	.705	.062	.703	.084	.858	.252	.702	.105
.804	-.205	.564	-.043	.831	.196	.785	.178	.784	.198	.919	.268	.786	.193
.823	-.189	.710	.060	.914	.231	.859	.230	.868	.262	.967	.163	.864	.245
.842	-.162	.857	.177	.986	.128	.922	.239	.923	.264			.912	.250
.861	-.084	.976	.200	1.012	.042	.967	.144	.972	.152			.985	.057
.881	-.046	1.072	.168			1.000	.021						
.900	-.011	1.110	.087										
.938	.057												
CN =		.3906		.4068		.4164		.4057		.3698		.2862	
CM =		.0730		-.0037		-.0195		-.0304		-.0481		-.0427	

TABLE II-188 CONFIGURATION 136 M = 0.80 Q = 1000 $\alpha = 4.02^\circ$ $C_L = 0.4431$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.093												
.057	-.114												
.076	-.164												
.080	-.117	-.658	-.245	-.021	-1.031	.023	-1.306	.025	-1.151	.022	-.907	.018	-.783
.085	-.141	-.565	-.336	.035	-.884	.068	-1.379	.079	-1.049	.075	-.853	.077	-.631
.093	-.131	-.452	-.396	.105	-.632	.134	-.612	.133	-.521	.129	-.512	.129	-.438
.113	-.003	-.311	-.408	.178	-.566	.209	-.463	.214	-.433	.201	-.427	.209	-.370
.115	.078	-.023	-.372	.286	-.475	.294	-.413	.295	-.384	.294	-.341	.293	-.292
.137	.013	.133	-.284	.396	-.403	.404	-.349	.407	-.347	.397	-.311	.396	-.251
.138	.024	.272	-.221	.514	-.303	.497	-.316	.502	-.330	.495	-.305	.494	-.230
.163	-.015	.416	-.189	.618	-.267	.599	-.303	.601	-.310	.594	-.303	.590	-.236
.162	-.001	.565	-.186	.733	-.227	.700	-.294	.698	-.315	.693	-.325	.693	-.256
.209	-.123	.713	-.153	.835	-.166	.782	-.274	.780	-.323	.784	-.330	.777	-.254
.247	-.247	.854	-.142	.919	-.098	.864	-.236	.863	-.273	.856	-.301	.861	-.236
.276	-.307	.980	-.111	.987	-.001	.926	-.136	.923	-.168	.926	-.186	.918	-.183
.324	-.320	1.074	-.055			.975	-.032	.977	-.046	.977	-.038	.972	-.029
.361	-.242	1.122	-.009										
.396	-.171												
.438	-.115												
.487	-.030												
.518	.001	-.658	.036	-.022	.342	.024	.306	.025	.266	.019	.299	.020	.297
.556	.019	-.615	.046	.038	.134	.075	.078	.074	.059	.066	.030	.076	-.028
.574	.015	-.572	.037	.101	.018	.137	-.000	.130	-.010	.136	-.017	.136	-.092
.593	.004	-.462	-.028	.185	-.021	.213	-.046	.214	-.048	.214	-.048	.221	-.110
.632	.007	-.329	-.061	.289	-.054	.297	-.051	.298	-.054	.298	-.054	.295	-.088
.670	.003	-.172	-.122	.398	-.077	.400	-.081	.397	-.064	.594	-.044	.396	-.075
.747	-.079	-.030	-.113	.519	-.058	.498	-.073	.501	-.064	.709	.082	.497	-.058
.766	-.129	.128	-.082	.620	-.027	.604	-.046	.603	-.045	.786	.187	.597	-.023
.785	-.205	.418	-.073	.737	.095	.705	.072	.703	.091	.858	.248	.702	.095
.804	-.196	.564	-.025	.831	.197	.785	.178	.784	.200	.919	.271	.786	.183
.823	-.193	.710	.073	.914	.232	.859	.239	.868	.263	.967	.157	.864	.240
.842	-.161	.857	.185	.986	.128	.922	.241	.923	.264			.912	.244
.861	-.091	.976	.216	1.012	.035	.967	.138	.972	.147			.985	.046
.881	-.057	1.072	.174			1.000	.023						
.900	-.017	1.110	.091										
.938	.055												
CN =		.4507		.4617		.4759		.4622		.4271		.3341	
CM =		.0864		.0050		-.0102		-.0290		-.0382		-.0329	

~~CONFIDENTIAL~~

ORIGINAL PAGE IS
OF POOR QUALITY

TABLE II-189 CONFIGURATION 136 M = 0.80 Q = 1000 $\alpha = 4.77^\circ$ $C_L = 0.5226$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 .086						
.057 -.121						
.076 -.169						
.080 -.128	-.658 -.277	-.021 -1.240	.023 -1.453	.025 -1.258	.022 -1.221	.018 -1.165
.085 -.153	-.565 -.375	.035 -.936	.068 -1.521	.079 -1.248	.075 -1.114	.077 -.894
.093 -.112	-.452 -.418	.105 -.802	.134 -.819	.133 -.696	.129 -.555	.129 -.516
.113 .015	-.311 -.453	.178 -.695	.209 -.499	.214 -.499	.201 -.480	.209 -.394
.115 .062	-.023 -.391	.286 -.541	.294 -.406	.295 -.433	.294 -.382	.293 -.322
.137 -.014	.133 -.312	.396 -.420	.404 -.379	.407 -.375	.397 -.350	.396 -.275
.138 .026	.272 -.257	.514 -.306	.497 -.343	.502 -.344	.495 -.331	.494 -.256
.163 -.020	.416 -.227	.618 -.275	.599 -.305	.601 -.331	.594 -.312	.590 -.250
.162 -.000	.565 -.206	.733 -.225	.700 -.295	.698 -.320	.693 -.322	.693 -.257
.209 -.145	.713 -.167	.835 -.168	.782 -.270	.780 -.305	.784 -.324	.777 -.262
.247 -.258	.854 -.142	.919 -.081	.864 -.231	.863 -.252	.856 -.286	.861 -.227
.276 -.327	.980 -.114	.987 -.002	.926 -.150	.923 -.151	.926 -.170	.918 -.171
.324 -.329	1.074 -.063		.975 -.038	.977 -.054	.977 -.036	.972 -.034
.361 -.246	1.122 -.020					
.396 -.183						
.438 -.143						
.487 -.050						
.518 -.010	-.658 .044	-.022 .385	.024 .367	.025 .340	.019 .379	.020 .351
.556 .018	-.615 .058	.038 .174	.075 .143	.074 .124	.066 .099	.076 .041
.574 .017	-.572 .056	.101 .080	.137 .028	.130 .040	.136 .048	.136 -.046
.593 .004	-.462 -.017	.185 .023	.213 .003	.214 .013	.214 .002	.221 -.048
.632 .008	-.329 -.034	.289 -.008	.297 -.027	.298 -.009	.489 -.035	.295 -.050
.670 .005	-.172 -.091	.398 -.041	.400 -.055	.397 -.033	.594 -.027	.396 -.062
.747 -.075	-.030 -.081	.519 -.050	.498 -.055	.501 -.030	.700 .097	.497 -.062
.766 -.129	.128 -.065	.620 -.006	.604 -.030	.603 -.035	.786 .186	.597 -.019
.785 -.203	.418 -.047	.737 .101	.705 .077	.703 .097	.858 .252	.702 .099
.804 -.193	.564 -.006	.831 .212	.785 .183	.784 .204	.919 .269	.786 .183
.823 -.194	.710 .091	.914 .236	.859 .245	.868 .262	.957 .161	.864 .234
.842 -.164	.857 .206	.986 .120	.922 .251	.923 .267		.912 .232
.861 -.097	.976 .227	1.012 .035	.967 .148	.972 .149		.985 .038
.881 -.057	1.072 .173		1.000 .028			
.900 -.018	1.110 .099					
.938 .050						
CN =	.5302	.5349	.5377	.5321	.4998	.4006
CM =	.1074	.0174	-.0021	-.0176	-.0244	-.0175

LOWER SURFACE

TABLE II-190 CONFIGURATION 136 M = 0.80 Q = 1000 $\alpha = 5.38^\circ$ $C_L = 0.5767$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 .071						
.057 -.112						
.076 -.189						
.080 -.138	-.658 -.309	-.021 -1.412	.023 -1.540	.025 -1.225	.022 -1.275	.018 -1.230
.085 -.152	-.565 -.399	.035 -1.174	.068 -1.633	.079 -1.189	.075 -1.284	.077 -1.079
.093 -.125	-.452 -.454	.105 -.838	.134 -1.108	.133 -.892	.129 -.762	.129 -.593
.113 -.001	-.311 -.463	.178 -.737	.209 -.775	.214 -.643	.201 -.546	.209 -.415
.115 .068	-.023 -.419	.286 -.567	.294 -.414	.295 -.520	.294 -.418	.293 -.341
.137 -.004	.133 -.330	.396 -.439	.404 -.366	.407 -.420	.397 -.367	.396 -.286
.138 .020	.272 -.274	.514 -.322	.497 -.337	.502 -.370	.495 -.336	.494 -.263
.163 -.021	.416 -.242	.618 -.282	.599 -.317	.601 -.326	.594 -.309	.590 -.252
.162 .002	.565 -.220	.733 -.219	.700 -.292	.698 -.304	.693 -.308	.693 -.260
.209 -.138	.713 -.174	.835 -.152	.782 -.266	.780 -.282	.784 -.317	.777 -.256
.247 -.265	.854 -.163	.919 -.077	.864 -.230	.863 -.226	.856 -.263	.861 -.223
.276 -.324	.980 -.124	.987 -.006	.926 -.141	.923 -.157	.926 -.161	.918 -.165
.324 -.337	1.074 -.065		.975 -.043	.977 -.077	.977 -.051	.972 -.034
.361 -.258	1.122 -.022					
.396 -.194						
.438 -.156						
.487 -.055						
.518 -.011	-.658 .049	-.022 .400	.024 .390	.025 .374	.019 .413	.020 .388
.556 .016	-.615 .065	.038 .212	.075 .162	.074 .172	.066 .126	.076 .084
.574 .010	-.572 .074	.101 .109	.137 .056	.130 .082	.136 .073	.136 .000
.593 .004	-.462 -.005	.185 .046	.213 .033	.214 .027	.214 .020	.221 -.039
.632 .008	-.329 -.018	.289 .013	.297 -.010	.298 .014	.489 -.023	.295 -.052
.670 .000	-.172 -.086	.398 -.011	.400 -.039	.397 -.016	.594 -.022	.396 -.049
.747 -.074	-.030 -.071	.519 -.032	.498 -.031	.501 -.026	.700 .103	.497 -.047
.766 -.132	.128 -.035	.620 .002	.604 -.019	.603 -.025	.786 .188	.597 -.018
.785 -.208	.418 -.029	.737 .108	.705 .084	.703 .103	.858 .260	.702 .093
.804 -.201	.564 .014	.831 .207	.785 .193	.784 .203	.919 .274	.786 .181
.823 -.195	.710 .102	.914 .238	.859 .246	.868 .265	.967 .153	.864 .231
.842 -.165	.857 .208	.986 .117	.922 .253	.923 .262		.912 .227
.861 -.097	.976 .229	1.012 .016	.967 .151	.972 .138		.985 .031
.881 -.065	1.072 .182		1.000 .038			
.900 -.022	1.110 .097					
.938 .048						
CN =	.5862	.5858	.6046	.5770	.5440	.4332
CM =	.1213	.0281	.0087	-.0113	-.0149	-.0094

~~CONFIDENTIAL~~

TABLE II-191 CONFIGURATION 136 M = 0.80 Q = 1000 $\alpha = 6.66^\circ$ $C_L = 0.6843$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.066												
.057	-.130												
.076	-.191												
.080	-.142	-.658	-.354	-.021	-1.580	.023	-1.610	.025	-1.132	.022	-1.355	.018	-1.020
.085	-.157	-.565	-.445	.035	-1.692	.068	-1.581	.079	-1.134	.075	-1.029	.077	-.993
.093	-.124	-.452	-.500	.105	-1.171	.134	-1.305	.133	-.926	.129	-.825	.129	-.740
.113	.008	-.311	-.505	.178	-.891	.209	-1.047	.214	-.889	.201	-.627	.209	-.582
.115	.054	-.023	-.454	.286	-.701	.294	-.893	.295	-.760	.294	-.464	.293	-.481
.137	-.013	.133	-.367	.396	-.494	.404	-.656	.407	-.650	.397	-.373	.396	-.337
.138	.008	.272	-.291	.514	-.341	.497	-.428	.502	-.549	.495	-.304	.494	-.291
.163	-.036	.416	-.286	.618	-.289	.599	-.312	.601	-.458	.594	-.245	.590	-.254
.162	-.012	.565	-.264	.733	-.219	.700	-.276	.698	-.384	.693	-.252	.693	-.229
.209	-.158	.713	-.220	.835	-.147	.782	-.243	.780	-.299	.784	-.219	.777	-.209
.247	-.276	.854	-.181	.919	-.069	.864	-.219	.863	-.247	.856	-.198	.861	-.163
.276	-.341	.980	-.142	.987	-.003	.926	-.146	.923	-.182	.926	-.172	.918	-.131
.324	-.353	1.074	-.076			.975	-.058	.977	-.160	.977	-.139	.972	-.057
.361	-.279	1.122	-.027										
.396	-.227												
.438	-.180												
.487	-.075												
LOWER SURFACE													
.518	-.030	-.658	.056	-.022	.409	.024	.452	.025	.436	.019	.444	.020	.423
.556	.003	-.615	.076	.038	.275	.075	.238	.074	.239	.066	.180	.076	.119
.574	.006	-.572	.085	.101	.164	.137	.130	.130	.140	.136	.108	.136	.011
.593	.002	-.462	.034	.185	.108	.213	.081	.214	.079	.214	.040	.221	-.029
.632	.004	-.329	.013	.289	.073	.297	.041	.298	.049	.289	-.041	.295	-.048
.670	.003	-.172	-.031	.398	.010	.400	.009	.397	.007	.594	-.065	.396	-.059
.747	-.073	-.030	-.031	.519	.010	.498	-.606	.501	-.014	.700	.046	.497	-.070
.766	-.130	.128	-.005	.620	.029	.604	.002	.603	-.027	.786	.133	.597	-.038
.785	-.211	.418	-.001	.737	.120	.705	.094	.703	.070	.858	.206	.702	.066
.804	-.200	.564	.040	.831	.222	.785	.194	.784	.180	.919	.227	.786	.147
.823	-.191	.710	.122	.914	.249	.859	.255	.868	.230	.967	.064	.864	.195
.842	-.170	.857	.227	.986	.111	.922	.254	.923	.229			.912	.192
.861	-.104	.976	.244	1.012	-.004	.967	.153	.972	.077			.985	-.014
.881	-.065	1.072	.190			1.000	.028						
.900	-.032	1.110	.112										
.938	.045												
CN =			.6982		.7204		.7541		.6935		.5090		.4351
CM =			.1464		.0510		.0181		-.0143		.0056		.0017

TABLE II-192 CONFIGURATION 136 M = 0.80 Q = 1000 $\alpha = 7.97^\circ$ $C_L = 0.7536$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933							
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP							
UPPER SURFACE													
.019	.042												
.057	-.148												
.076	-.193												
.080	-.140	-.658	-.441	-.021	-1.738	.023	-1.073	.025	-.645	.022	-1.154	.018	-.937
.085	-.168	-.565	-.516	.035	-1.679	.068	-1.057	.079	-.606	.075	-.741	.077	-.890
.093	-.130	-.452	-.546	.105	-1.389	.134	-1.044	.133	-.601	.129	-.534	.129	-.765
.113	-.009	-.311	-.565	.178	-1.296	.209	-.974	.214	-.573	.201	-.412	.209	-.660
.115	.049	-.023	-.509	.286	-1.050	.294	-.924	.295	-.565	.294	-.345	.293	-.511
.137	-.017	.133	-.417	.396	-.546	.404	-.895	.407	-.548	.397	-.293	.396	-.391
.138	.004	.272	-.350	.514	-.321	.497	-.816	.502	-.505	.495	-.274	.494	-.316
.163	-.037	.416	-.321	.618	-.267	.599	-.715	.601	-.477	.594	-.234	.590	-.274
.162	-.011	.565	-.299	.733	-.221	.700	-.629	.698	-.436	.693	-.256	.693	-.246
.209	-.170	.713	-.236	.835	-.152	.782	-.541	.780	-.416	.784	-.246	.777	-.225
.247	-.305	.854	-.190	.919	-.073	.864	-.429	.863	-.382	.856	-.240	.861	-.193
.276	-.362	.980	-.165	.987	-.007	.926	-.379	.923	-.368	.926	-.255	.918	-.155
.324	-.368	1.074	-.096			.975	-.300	.977	-.344	.977	-.251	.972	-.083
.361	-.294	1.122	-.035										
.396	-.244												
.438	-.209												
.487	-.102												
LOWER SURFACE													
.518	-.045	-.658	.055	-.022	.426	.024	.498	.025	.465	.019	.449	.020	.410
.556	-.013	-.615	.091	.038	.338	.075	.301	.074	.263	.066	.196	.076	.107
.574	-.003	-.572	.109	.101	.242	.137	.196	.130	.170	.136	.097	.136	.003
.593	.008	-.462	.059	.185	.162	.213	.133	.214	.102	.214	.047	.221	-.050
.632	-.004	-.329	.039	.289	.107	.297	.081	.298	.066	.289	-.078	.295	-.072
.670	-.010	-.172	-.008	.398	.050	.400	.038	.397	-.002	.594	-.102	.396	-.089
.747	-.079	-.030	-.003	.519	.044	.498	.020	.501	-.038	.700	.007	.497	-.100
.766	-.139	.128	.035	.620	.054	.604	.014	.603	-.072	.786	.106	.597	-.088
.785	-.214	.418	.037	.737	.142	.705	.087	.703	.032	.858	.180	.702	.024
.804	-.206	.564	.074	.831	.236	.785	.188	.784	.124	.919	.189	.786	.113
.823	-.203	.710	.147	.914	.261	.859	.231	.868	.190	.967	.011	.864	.158
.842	-.178	.857	.240	.986	.139	.922	.202	.923	.179			.912	.170
.861	-.118	.976	.254	1.012	.023	.967	.037	.972	-.038			.985	-.118
.881	-.074	1.072	.199			1.000	-.177						
.900	-.039	1.110	.110										
.938	.042												
CN =		.8217		.8560		.8924		.5847		.4179		.4257	
CM =		.1801		.0654		-.0548		-.0482		-.0087		.0050	

~~CONFIDENTIAL~~

TABLE II-193 CONFIGURATION 136 M = 0.80 Q = 1000 $\alpha = 9.12^\circ$ $C_L = 0.8356$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 .046						
.057 -.153						
.076 -.200						
.080 -.143						
.085 -.170	-.658 -.509	-.021 -1.610	.023 -.876	.025 -.752	.022 -.868	.018 -.606
.093 -.131	-.565 -.563	.035 -1.630	.068 -.836	.079 -.551	.075 -.866	.077 -.604
.113 -.009	-.452 -.610	.105 -1.515	.134 -.803	.133 -.689	.129 -.840	.129 -.659
.115 .027	-.311 -.600	.178 -1.503	.209 -.770	.214 -.815	.201 -.754	.209 -.551
.137 -.034	-.023 -.546	.286 -1.268	.294 -.705	.295 -.695	.294 -.615	.293 -.551
.138 -.001	.133 -.439	.396 -.843	.404 -.659	.407 -.611	.397 -.605	.396 -.460
.163 -.046	.272 -.384	.514 -.244	.497 -.660	.502 -.507	.495 -.430	.494 -.441
.162 -.028	.416 -.344	.618 -.282	.599 -.738	.601 -.321	.594 -.358	.590 -.375
.209 -.185	.565 -.331	.733 -.254	.700 -.693	.698 -.351	.693 -.371	.693 -.289
.247 -.302	.713 -.251	.835 -.211	.782 -.616	.780 -.403	.784 -.342	.777 -.301
.276 -.365	.854 -.209	.919 -.134	.864 -.565	.863 -.323	.856 -.309	.861 -.240
.324 -.375	.980 -.169	.987 -.073	.926 -.495	.923 -.350	.926 -.308	.918 -.236
.361 -.312	1.074 -.106		.975 -.472	.977 -.300	.977 -.273	.972 -.205
.396 -.267	1.122 -.037					
.438 -.232						
.487 -.117						
.518 -.058	-.658 .060	-.022 .418	.024 .516	.025 .499	.019 .462	.020 .427
.556 -.014	-.615 .101	.038 .354	.075 .340	.074 .307	.066 .229	.076 .140
.574 -.017	-.572 .104	.101 .271	.137 .236	.130 .199	.136 .127	.136 .034
.593 -.023	-.462 .083	.185 .177	.213 .163	.214 .125	.214 .059	.221 -.027
.632 -.012	-.329 .077	.289 .144	.297 .108	.298 .066	.489 -.073	.295 -.063
.670 -.011	-.172 .026	.398 .089	.400 .050	.397 .003	.594 -.098	.396 -.083
.747 -.087	-.030 .029	.519 .060	.498 .023	.501 -.032	.700 .009	.497 -.109
.766 -.137	.128 .063	.620 .053	.604 .002	.603 -.076	.786 .097	.597 -.084
.785 -.214	.418 .062	.737 .146	.705 .058	.703 .014	.858 .174	.702 .015
.804 -.205	.564 .095	.831 .241	.785 .141	.784 .117	.919 .180	.786 .094
.823 -.212	.710 .167	.914 .260	.859 .190	.868 .181	.967 .003	.864 .172
.842 -.191	.857 .262	.986 .128	.922 .149	.923 .169		.912 .154
.851 -.132	.976 .267	1.012 .028	.967 -.053	.972 -.052		.985 -.092
.881 -.092	1.072 .207					
.900 -.058	1.110 .108		1.000 -.441			
.938 .025						
CN =	.9174	.9574	.8024	.6054	.5776	.4426
CM =	.2076	.0601	-.0705	-.0282	-.0181	-.0214

TABLE II-194 CONFIGURATION 136 M = 0.80 Q = 1000 $\alpha = 10.37^\circ$ $C_L = 0.9162$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 .029						
.057 -.169						
.076 -.197						
.080 -.142	-.658 -.572	-.021 -1.574	.023 -.842	.025 -1.176	.022 -.906	.018 -.496
.085 -.168	-.565 -.641	.035 -1.518	.068 -.795	.079 -1.132	.075 -.908	.077 -.497
.093 -.138	-.452 -.638	.105 -1.474	.134 -.768	.133 -1.169	.129 -.894	.129 -.470
.113 -.005	-.311 -.640	.178 -1.336	.209 -.756	.214 -1.186	.201 -.891	.209 -.473
.115 .031	-.023 -.563	.286 -1.236	.294 -.721	.295 -1.145	.294 -.823	.293 -.446
.137 -.033	.133 -.477	.396 -1.100	.404 -.679	.407 -.828	.397 -.703	.396 -.413
.138 -.009	.272 -.421	.514 -.938	.497 -.662	.502 -.380	.495 -.604	.494 -.373
.163 -.049	.416 -.352	.618 -.797	.599 -.610	.601 -.276	.594 -.577	.590 -.351
.162 -.052	.565 -.303	.733 -.567	.700 -.567	.698 -.267	.693 -.536	.693 -.333
.209 -.191	.713 -.273	.835 -.425	.782 -.531	.780 -.290	.784 -.472	.777 -.314
.247 -.325	.854 -.266	.919 -.287	.864 -.487	.863 -.326	.856 -.435	.861 -.287
.276 -.372	.980 -.218	.987 -.143	.926 -.480	.923 -.328	.926 -.393	.918 -.283
.324 -.383	1.074 -.137		.975 -.442	.977 -.286	.977 -.404	.972 -.279
.361 -.326	1.122 -.072					
.396 -.283						
.438 -.236						
.487 -.124						
.518 -.088	-.658 .060	-.022 .412	.024 .542	.025 .511	.019 .519	.020 .473
.556 -.053	-.615 .115	.038 .401	.075 .371	.074 .328	.066 .290	.076 .186
.574 -.039	-.572 .137	.101 .322	.137 .266	.130 .225	.136 .167	.136 .088
.593 -.043	-.462 .131	.185 .227	.213 .186	.214 .137	.214 .103	.221 .011
.632 -.026	-.329 .102	.289 .168	.297 .127	.298 .100	.489 -.032	.295 -.022
.670 -.020	-.172 .075	.398 .116	.400 .056	.397 .025	.594 -.071	.396 -.061
.747 -.093	-.030 .075	.519 .082	.498 .010	.501 -.028	.700 .014	.497 -.080
.766 -.133	.128 .089	.620 .071	.604 -.022	.603 -.071	.786 .113	.597 -.070
.785 -.215	.418 .082	.737 .144	.705 .035	.703 .027	.858 .185	.702 .036
.804 -.212	.564 .117	.831 .233	.785 .110	.784 .135	.919 .194	.786 .097
.823 -.206	.710 .182	.914 .241	.859 .152	.868 .194	.967 .000	.864 .160
.842 -.196	.857 .283	.986 .077	.922 .137	.923 .174		.912 .164
.861 -.145	.976 .279	1.012 -.052	.967 -.089	.972 -.039		.985 -.155
.881 -.107	1.072 .210		1.000 -.489			
.900 -.068	1.110 .105					
.938 .017						
CN =	1.0190	1.1751	.7641	.7672	.7427	.4247
CM =	.2337	-.0025	-.0539	.0092	-.0427	-.0315

~~CONFIDENTIAL~~

TABLE II-195 CONFIGURATION 136 M = 0.80 Q = 1000 $\alpha = 11.42^\circ$ $C_L = 0.9721$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .480 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
.019 .027						
.057 -.166						
.076 -.202						
.080 -.148						
.085 -.171	-.658 -.628	-.021 -1.379	.023 -.802	.025 -1.036	.022 -.816	.018 -.424
.093 -.138	-.565 -.688	.035 -1.317	.068 -.784	.079 -1.013	.075 -.482	.077 -.470
.113 -.009	-.452 -.697	.105 -1.302	.134 -.766	.133 -.877	.129 -.883	.129 -.452
.115 -.019	-.311 -.671	.178 -1.402	.209 -.759	.214 -1.078	.201 -.779	.209 -.423
.137 -.027	-.023 -.591	.286 -1.239	.294 -.711	.295 -1.023	.294 -.753	.293 -.389
.138 -.010	.133 -.516	.396 -1.126	.404 -.684	.407 -.848	.397 -.414	.396 -.395
.163 -.060	.272 -.437	.514 -1.017	.497 -.737	.502 -.533	.495 -.530	.494 -.357
.162 -.055	.416 -.362	.618 -.957	.599 -.722	.601 -.380	.594 -.605	.590 -.317
.209 -.211	.565 -.341	.733 -.751	.700 -.577	.698 -.363	.693 -.578	.693 -.315
.247 -.330	.713 -.304	.835 -.619	.782 -.568	.780 -.379	.784 -.510	.777 -.323
.276 -.383	.854 -.312	.919 -.438	.864 -.510	.863 -.380	.856 -.525	.861 -.295
.324 -.387	.980 -.259	.987 -.313	.926 -.499	.923 -.427	.926 -.457	.918 -.297
.361 -.336	1.074 -.159		.975 -.476	.977 -.358	.977 -.440	.972 -.277
.396 -.282	1.122 -.088					
.438 -.259						
.487 -.157						
.518 -.109						
.556 -.071	-.658 .059	-.022 .390	.024 .544	.025 .527	.019 .510	.020 .495
.574 -.053	-.615 .129	.038 .426	.075 .407	.074 .341	.066 .301	.076 .260
.593 -.055	-.572 .160	.101 .339	.137 .301	.130 .251	.136 .197	.136 .127
.632 -.033	-.462 .136	.185 .267	.213 .204	.214 .152	.214 .108	.221 .041
.670 -.028	-.329 .134	.289 .196	.297 .147	.298 .098	.489 -.042	.295 -.003
.747 -.085	-.172 .077	.398 .143	.400 .072	.397 .023	.594 -.070	.396 -.028
.766 -.134	-.030 .095	.519 .105	.498 .022	.501 -.036	.700 .026	.497 -.064
.785 -.217	.128 .110	.620 .086	.604 -.024	.603 -.077	.786 .113	.597 -.053
.804 -.213	.418 .113	.737 .083	.705 .016	.703 .018	.858 .018	.702 .044
.823 -.211	.564 .132	.831 .219	.785 .101	.784 .119	.919 .191	.786 .123
.842 -.199	.710 .203	.914 .223	.859 .159	.868 .193	.967 -.004	.864 .166
.861 -.153	.857 .290	.986 .029	.922 .134	.923 .171		.912 .161
.881 -.132	.976 .292	1.012 -.159	.967 -.106	.972 -.046		.985 -.141
.900 -.081	1.072 .210		1.000 -.523			
.938 .008	1.110 .103					
CN =	1.1095	1.2460	.7949	.7693	.6861	.4255
CM =	.2495	-.0439	-.0599	-.0170	-.0590	-.0335

TABLE II-196 CONFIGURATION 136 M = 0.80 Q = 650 $\alpha = -9.43^\circ$ $C_L = -0.7482$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .480 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
.019 .273						
.057 .058						
.076 .023						
.080 -.096						
.085 .003	-.658 .033	-.021 .422	.023 .560	.025 .524	.022 .528	.018 .497
.093 -.096	-.565 .005	.035 .379	.068 .444	.079 .333	.075 .358	.077 .287
.113 .124	-.452 .006	.105 .313	.134 .341	.133 .322	.129 .286	.129 .224
.115 .088	-.311 -.014	.178 .249	.209 .262	.214 .236	.201 .199	.209 .133
.137 .148	-.023 .019	.286 .180	.294 .202	.295 .168	.294 .149	.293 .052
.138 .065	.133 .073	.396 .137	.404 .139	.407 .084	.397 .061	.396 -.023
.163 .139	.272 .116	.514 .109	.497 .086	.502 .014	.495 -.023	.494 -.092
.162 .077	.416 .129	.618 .075	.599 .020	.601 -.068	.594 -.101	.590 -.168
.209 .071	.565 .113	.733 .017	.700 -.056	.698 -.182	.693 -.230	.693 -.258
.247 -.021	.713 .120	.835 -.042	.782 -.130	.780 -.312	.784 -.363	.777 -.346
.276 -.076	.854 .086	.919 -.097	.864 -.237	.863 -.490	.856 -.499	.861 -.426
.324 -.065	.980 .051	.987 -.128	.926 -.315	.923 -.592	.926 -.629	.918 -.491
.361 .009	1.074 .031		.975 -.472	.977 -.629	.977 -.510	.972 -.409
.396 .083	1.122 .017					
.438 .135						
.487 .182						
.518 .181						
.556 .142	-.658 -.220	-.022 -1.531	.024 -.995	.025 -.530	.019 -.299	.020 -.259
.574 .106	-.615 -.285	.038 -1.689	.075 -.921	.074 -.511	.066 -.303	.076 -.255
.593 .077	-.572 -.321	.101 -1.591	.137 -.887	.130 -.495	.136 -.294	.136 -.254
.632 .045	-.462 -.365	.185 -.1473	.213 -.855	.214 -.493	.214 -.324	.221 -.243
.670 .015	-.329 .322	.289 -1.294	.297 -.862	.298 -.464	.489 -.332	.295 -.259
.747 -.081	-.172 -.382	.398 -.500	.400 -.864	.397 -.487	.594 -.322	.396 -.258
.766 -.133	-.030 -.398	.519 -.271	.498 -.878	.501 -.497	.700 -.329	.497 -.264
.785 -.214	.128 -.394	.620 -.170	.604 -.882	.603 -.532	.786 -.314	.597 -.266
.804 -.221	.418 -.550	.737 -.060	.705 -.817	.703 -.508	.858 -.309	.702 -.266
.823 -.197	.564 -.521	.831 .009	.785 -.735	.784 -.500	.919 -.307	.786 -.255
.842 -.130	.710 -.237	.914 .008	.859 -.660	.868 -.465	.967 -.312	.864 -.252
.861 -.023	.857 .017	.986 .009	.922 -.577	.923 -.458		.912 -.247
.881 .021	.976 .122	1.012 .010	.967 -.510	.972 -.430		.985 -.249
.900 .051	1.072 .114		1.000 -.370			
.938 .111	1.110 .052					
CN =	-.6509	-.8077	-.8799	-.4557	-.2560	-.1663
CM =	-.1464	-.1364	.0310	-.0258	-.0505	-.0497

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-197

CONFIGURATION 136

M = 0.80

Q = 650

$\alpha = -7.05^\circ$

$C_L = -0.6142$

$\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.233												
.057	.018												
.076	-.020												
.080	-.110	-.558	.013	-.021	.404	.023	.508	.025	.481	.022	.503	.018	.469
.085	-.041	-.565	-.031	.035	.287	.058	.349	.079	.267	.075	.305	.077	.238
.093	-.080	-.452	-.044	.105	.220	.134	.258	.133	.281	.129	.242	.129	.170
.113	.094	-.311	-.079	.178	.156	.209	-.188	.214	.193	.201	.158	.209	.076
.115	.089	-.023	-.042	.286	.095	.294	.128	.295	.144	.294	.099	.293	.015
.137	.114	.133	.009	.396	.052	.404	.090	.407	.075	.397	.029	.396	-.052
.138	.061	.272	.063	.514	.055	.497	.045	.502	.020	.495	-.046	.494	-.117
.163	.109	.416	.073	.618	.020	.599	-.006	.601	-.047	.594	-.123	.590	-.185
.162	.074	.565	.078	.733	-.020	.700	-.059	.698	-.135	.693	-.241	.693	-.273
.209	.033	.713	.077	.835	-.051	.782	-.102	.780	-.211	.784	-.368	.777	-.349
.247	-.057	.854	.049	.919	-.072	.864	-.152	.863	-.390	.856	-.493	.861	-.416
.276	-.126	.980	.032	.987	-.054	.926	-.130	.923	-.510	.926	-.610	.918	-.469
.324	-.127	1.074	.024			.975	-.034	.977	-.665	.977	-.485	.972	-.373
.361	-.039	1.122	.017										
.396	.035												
.438	.088												
.487	.148												
LOWER SURFACE													
.518	.146	-.658	-.149	-.022	-1.257	.024	-1.262	.025	-.678	.019	-.302	.020	-.265
.556	.122	-.615	-.211	.038	-1.544	.075	-1.206	.074	-.681	.066	-.287	.076	-.244
.574	.094	-.572	-.235	.101	-1.232	.137	-1.157	.130	-.652	.136	-.289	.136	-.230
.593	.063	-.462	-.308	.185	-.861	.213	-1.079	.214	-.637	.214	-.286	.221	-.225
.632	.048	-.329	-.273	.289	-.815	.297	-1.039	.298	-.607	.489	-.309	.295	-.237
.670	.021	-.172	-.335	.398	-.441	.400	-.945	.397	-.598	.594	-.323	.396	-.237
.747	-.076	-.030	-.356	.519	-.304	.498	-.765	.501	-.578	.700	-.322	.497	-.234
.766	-.122	.128	-.347	.620	-.145	.604	-.652	.603	-.592	.786	-.325	.597	-.237
.785	-.220	.418	-.430	.737	-.042	.705	-.279	.703	-.576	.858	-.304	.702	-.233
.804	-.209	.564	-.357	.831	-.005	.785	-.061	.784	-.531	.919	-.300	.786	-.216
.823	-.187	.710	-.171	.914	.020	.859	.010	.868	-.511	.967	-.306	.864	-.223
.842	-.126	.857	.021	.986	.060	.922	.097	.923	-.485			.912	-.215
.861	-.027	.976	.115	1.012	.065	.967	.123	.972	-.471			.985	-.208
.881	.016	1.072	.114			1.000	.080						
.900	.043	1.110	.075										
.938	.100												
CN =		-.4574		-.5890		-.7191		-.5590		-.2218		-.1203	
CM =		-.1081		-.1090		-.0713		-.0112		-.0478		-.0523	

TABLE II-198

CONFIGURATION 136

M = 0.80

Q = 650

$\alpha = -4.74$

$C_L = -0.4473$

$\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.200												
.057	-.016												
.076	-.085												
.080	-.097	-.658	.012	-.021	.343	.023	.392	.025	.411	.022	.465	.018	.440
.085	-.068	-.565	-.062	.035	.177	.058	.228	.079	.158	.075	.259	.077	.183
.093	-.099	-.452	-.095	.105	.100	.134	.145	.133	.185	.129	.187	.129	.132
.113	.080	-.311	-.127	.178	.053	.209	.072	.214	.111	.201	.114	.209	.045
.115	.067	-.023	-.096	.286	.007	.294	.046	.295	.075	.294	.086	.293	-.013
.137	.086	.133	-.050	.396	-.023	.404	.010	.407	.028	.397	.018	.396	-.060
.138	.071	.272	-.007	.514	-.020	.497	-.016	.502	-.016	.495	-.032	.494	-.117
.163	.064	.416	.031	.618	-.039	.599	-.046	.601	-.070	.594	-.102	.590	-.182
.162	.073	.565	.025	.733	-.057	.700	-.105	.698	-.116	.693	-.199	.693	-.258
.209	.003	.713	.024	.835	-.082	.782	-.134	.780	-.169	.784	-.319	.777	-.343
.247	-.115	.854	.023	.919	-.079	.864	-.159	.863	-.201	.856	-.422	.861	-.402
.276	-.171	.980	.009	.987	-.009	.926	-.131	.923	-.159	.926	-.545	.918	-.442
.324	-.172	1.074	.005			.975	-.032	.977	-.048	.977	-.482	.972	-.347
.361	-.086	1.122	.023										
.396	-.012												
.438	.048												
.487	.111												
LOWER SURFACE													
.518	.120	-.658	-.079	-.022	-.944	.024	-1.358	.025	-1.000	.019	-.583	.020	-.369
.556	.096	-.615	-.130	.038	-.933	.075	-1.358	.074	-1.068	.066	-.576	.076	-.264
.574	.074	-.572	-.172	.101	-.768	.137	-1.009	.130	-.968	.136	-.535	.136	-.218
.593	.053	-.462	-.244	.185	-.744	.213	-.746	.214	-.953	.214	-.491	.221	-.219
.632	.035	-.329	-.242	.289	-.527	.297	-.604	.298	-.866	.489	-.453	.295	-.214
.670	.020	-.172	-.305	.398	-.420	.400	-.404	.397	-.788	.594	-.465	.396	-.178
.747	-.066	-.030	-.312	.519	-.294	.498	-.304	.501	-.626	.700	-.443	.497	-.207
.766	-.125	.128	-.310	.620	-.162	.604	-.189	.603	-.467	.786	-.439	.597	-.188
.785	-.211	.418	-.363	.737	-.028	.705	-.045	.703	-.300	.858	-.362	.702	-.184
.804	-.209	.564	-.284	.831	.028	.785	.038	.784	-.140	.919	-.346	.786	-.197
.823	-.178	.710	-.112	.914	.091	.859	.074	.868	-.050	.967	-.329	.864	-.190
.842	-.128	.857	.045	.986	.118	.922	.111	.923	.093			.912	-.184
.861	-.037	.976	.117	1.012	.092	.967	.099	.972	.126			.985	-.190
.881	.010	1.072	.123			1.000	.065						
.900	.031	1.110	.073										
.938	.089												
CN =		-.2973		-.3802		-.4103		-.5579		-.3821		-.0914	
CM =		-.0771		-.0833		-.0998		-.0656		-.0341		-.0556	

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-199 CONFIGURATION 136 $M = 0.80$ $Q = 650$ $\alpha = -2.37^\circ$ $C_L = -0.2216$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.167												
.057	-.041												
.076	-.097												
.080	-.113	-.658	-.034	-.021	.199	.023	.188	.025	.209	.022	.373	.018	.408
.085	-.081	-.565	-.122	.035	-.022	.068	.023	.079	-.016	.075	.134	.077	.136
.093	-.109	-.452	-.179	.105	-.078	.134	-.027	.133	.040	.129	.097	.129	.085
.113	.055	-.311	-.197	.178	-.107	.209	-.046	.214	-.001	.201	.034	.209	.012
.115	-.094	-.023	-.194	.286	-.117	.294	-.063	.295	-.024	.294	.012	.293	-.016
.137	.043	.133	-.109	.396	-.130	.404	-.089	.407	-.066	.397	-.034	.396	-.053
.138	.049	.272	-.067	.514	-.093	.497	-.095	.502	-.088	.495	-.068	.494	-.095
.163	.065	.416	-.051	.618	-.097	.599	-.122	.601	-.124	.594	-.112	.590	-.117
.162	.040	.565	-.035	.733	-.132	.700	-.159	.698	-.165	.693	-.167	.693	-.153
.209	-.036	.713	-.005	.835	-.119	.782	-.171	.780	-.199	.784	-.212	.777	-.185
.247	-.142	.854	-.042	.919	-.102	.864	-.193	.863	-.209	.856	-.231	.861	-.174
.276	-.218	.980	-.025	.987	-.019	.926	-.128	.923	-.149	.926	-.179	.918	-.152
.324	-.217	1.074	-.007			.975	-.007	.977	-.022	.977	-.035	.972	-.028
.361	-.127	1.122	.014										
.396	-.061												
.438	-.003												
.487	.073												
LOWER SURFACE													
.518	.082	-.658	-.045	-.022	-.277	.024	-.916	.025	-1.193	.019	-1.092	.020	-1.171
.556	.074	-.615	-.071	.038	-.518	.075	-.789	.074	-1.136	.066	-1.059	.076	-1.024
.574	.058	-.572	-.133	.101	-.509	.137	-.693	.130	-.706	.136	-.778	.136	-.652
.593	.034	-.462	-.180	.185	-.470	.213	-.453	.214	-.479	.214	-.529	.221	-.458
.632	.026	-.329	-.183	.289	-.383	.297	-.375	.298	-.377	.489	-.230	.295	-.316
.670	.012	-.172	-.270	.398	-.327	.400	-.335	.397	-.308	.594	-.143	.396	-.232
.747	-.068	-.030	-.255	.519	-.245	.498	-.253	.501	-.237	.700	-.009	.497	-.194
.766	-.122	.128	-.245	.620	-.142	.604	-.151	.603	-.146	.786	.076	.597	-.059
.785	-.205	.418	-.256	.737	-.024	.705	.013	.703	.018	.858	.129	.702	-.017
.804	-.203	.564	-.194	.831	.095	.785	.085	.784	.087	.919	.158	.786	.067
.823	-.180	.710	-.055	.914	.141	.859	.116	.868	.118	.967	.126	.864	.099
.842	-.131	.857	.078	.986	.124	.922	.144	.923	.128			.912	.099
.861	-.050	.976	.139	1.012	.083	.967	.129	.972	.115			.985	.051
.881	-.004	1.072	.127			1.000	.075						
.900	.023	1.110	.080										
.938	.081												
CN =		-.0814		-.1283		-.1710		-.2105		-.2395		-.2108	
CM =		-.0350		-.0598		-.0802		-.0943		-.1059		-.0934	

TABLE II-200 CONFIGURATION 136 $M = 0.80$ $Q = 650$ $\alpha = -0.02^\circ$ $C_L = 0.0348$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.148												
.057	-.072												
.076	-.122												
.080	-.093	-.658	-.092	-.021	-.057	.023	-.197	.025	-.092	.022	.078	.018	-.179
.085	-.120	-.565	-.201	.035	-.268	.068	-.302	.079	-.294	.075	-.097	.077	-.074
.093	-.112	-.452	-.251	.105	-.257	.134	-.219	.133	-.166	.129	-.100	.129	-.072
.113	.034	-.311	-.282	.178	-.242	.209	-.197	.214	-.148	.201	-.108	.209	-.103
.115	.064	-.023	-.249	.286	-.248	.294	-.189	.295	-.160	.294	-.107	.293	-.121
.137	.033	.133	-.185	.396	-.230	.404	-.191	.407	-.170	.397	-.131	.396	-.117
.138	.060	.272	-.138	.514	-.172	.497	-.189	.502	-.178	.495	-.153	.494	-.145
.163	.020	.416	-.098	.618	-.164	.599	-.184	.601	-.204	.594	-.186	.590	-.158
.162	.029	.565	-.081	.733	-.172	.700	-.221	.698	-.235	.693	-.227	.693	-.177
.209	-.065	.713	-.063	.835	-.154	.782	-.224	.780	-.254	.784	-.258	.777	-.204
.247	-.200	.854	-.066	.919	-.111	.864	-.222	.863	-.260	.856	-.260	.861	-.190
.276	-.262	.980	-.049	.987	-.013	.926	-.154	.923	-.177	.926	-.178	.918	-.144
.324	-.255	1.074	-.030			.975	-.031	.977	-.038	.977	-.021	.972	-.008
.361	-.174	1.122	.010										
.396	-.102												
.438	-.038												
.487	.027												
LOWER SURFACE													
.518	.047	-.658	.022	-.022	.058	.024	-.235	.025	-.453	.019	-.554	.020	-.511
.556	.050	-.615	-.027	.038	-.214	.075	-.392	.074	-.429	.066	-.565	.076	-.640
.574	.040	-.572	-.045	.101	-.292	.137	-.362	.130	-.384	.136	-.408	.136	-.503
.593	.018	-.462	-.128	.185	-.276	.213	-.315	.214	-.322	.214	-.282	.221	-.286
.632	.015	-.329	-.152	.289	-.258	.297	-.260	.298	-.244	.489	-.170	.295	-.222
.670	.006	-.172	-.196	.398	-.230	.400	-.221	.397	-.209	.594	-.114	.396	-.165
.747	-.075	-.030	-.210	.519	-.174	.498	-.186	.501	-.181	.700	.054	.497	-.129
.766	-.127	.128	-.192	.620	-.107	.604	-.127	.603	-.125	.786	.137	.597	-.041
.785	-.207	.418	-.171	.737	.058	.705	.035	.703	.056	.858	.177	.702	.099
.804	-.201	.564	-.127	.831	.160	.785	.151	.784	.172	.919	.208	.786	.177
.823	-.181	.710	-.005	.914	.188	.859	.203	.868	.223	.967	.160	.864	.213
.842	-.137	.857	.121	.986	.131	.922	.220	.923	.231			.912	.224
.861	-.066	.976	.163	1.012	.067	.967	.143	.972	.160			.985	.087
.881	-.021	1.072	.143			1.000	.049						
.900	.008	1.110	.088										
.938	.070												
CN =		.1177		.0927		.0825		.0684		.0139		-.0017	
CM =		.0117		-.0416		-.0609		-.0761		-.0840		-.0831	

~~CONFIDENTIAL~~

CONFIDENTIAL

TABLE II-201 CONFIGURATION 136 $M = 0.80$ $Q = 650$ $\alpha = 2.34^\circ$ $C_L = 0.2783$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .480 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
.019 .116						
.057 -.075						
.076 -.141						
.080 -.126	-.658 -.177	-.021 -.473	.023 -.778	-.025 -.591	.022 -.395	.018 -.271
.085 -.119	-.565 -.261	.035 -.564	.068 -.820	-.079 -.631	.075 -.428	.077 -.373
.093 -.113	-.452 -.320	.105 -.493	.134 -.442	.133 -.382	.129 -.348	.129 -.312
.113 .014	-.311 -.368	.178 -.443	.209 -.390	.214 -.337	.201 -.314	.209 -.254
.115 .085	-.023 -.331	.286 -.384	.294 -.337	.295 -.291	.294 -.256	.293 -.233
.137 .002	.133 -.233	.396 -.341	.404 -.281	.407 -.286	.397 -.252	.396 -.211
.138 .042	.272 -.173	.514 -.245	.497 -.269	.502 -.272	.495 -.251	.494 -.199
.163 .009	.416 -.159	.618 -.222	.599 -.263	.601 -.268	.594 -.264	.590 -.206
.162 .024	.565 -.131	.733 -.203	.700 -.257	.698 -.297	.693 -.289	.693 -.226
.209 -.107	.713 -.099	.835 -.169	.782 -.258	.780 -.299	.784 -.313	.777 -.234
.247 -.216	.854 -.109	.919 -.103	.864 -.247	.863 -.271	.856 -.294	.861 -.216
.276 -.295	.980 -.088	.987 -.004	.926 -.139	.923 -.177	.926 -.191	.918 -.175
.324 -.302	1.074 -.043		.975 -.031	.977 -.047	.977 -.038	.972 -.022
.361 -.204	1.122 -.005					
.396 -.144						
.438 -.090						
.487 -.006						
.518 .023	-.658 .040	-.022 .274	.024 .158	.025 .054	.019 .064	.020 .080
.556 .035	-.615 .034	.038 .007	.075 -.074	.074 -.098	.066 -.191	.076 -.202
.574 .030	-.572 -.016	.101 -.079	.137 -.131	.130 -.153	.136 -.131	.136 -.213
.593 .011	-.462 -.070	.185 -.102	.213 -.134	.214 -.126	.214 -.122	.221 -.173
.632 .013	-.329 -.085	.289 -.126	.297 -.133	.298 -.130	.489 -.094	.295 -.158
.670 .004	-.172 -.160	.398 -.129	.400 -.141	.397 -.129	.594 -.073	.396 -.105
.747 -.075	-.030 -.151	.519 -.098	.498 -.112	.501 -.114	.700 .079	.497 -.080
.766 -.127	.128 -.120	.620 -.060	.604 -.074	.603 -.077	.786 .183	.597 -.027
.785 -.203	.418 -.108	.737 .082	.705 .050	.703 .075	.858 .243	.702 .099
.804 -.200	.564 -.058	.831 .185	.785 .175	.784 .210	.919 .261	.786 .194
.823 -.185	.710 .046	.914 .219	.859 .235	.868 .278	.967 .161	.864 .244
.842 -.147	.857 .157	.986 .134	.922 .239	.923 .278		.912 .243
.861 -.072	.976 .190	1.012 .054	.967 .148	.972 .156		.985 .067
.881 -.035	1.072 .155		1.000 .031			
.900 .001	1.110 .086					
.938 .063						
CN =	.3117	.3136	.3225	.3094	.2751	.2112
CM =	.0562	-.0165	-.0330	-.0532	-.0611	-.0537

TABLE II-202 CONFIGURATION 136 $M = 0.80$ $Q = 650$ $\alpha = 2.91^\circ$ $C_L = 0.3363$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .480 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
.019 .107						
.057 -.099						
.076 -.163						
.080 -.126	-.658 -.195	-.021 -.563	.023 -1.001	.025 -.800	.022 -.577	.018 -.453
.085 -.129	-.565 -.303	.035 -.631	.068 -.856	.079 -.736	.075 -.554	.077 -.479
.093 -.125	-.452 -.346	.105 -.536	.134 -.490	.133 -.449	.129 -.416	.129 -.364
.113 .013	-.311 -.377	.178 -.484	.209 -.427	.214 -.382	.201 -.357	.209 -.316
.115 .078	-.023 -.340	.286 -.428	.294 -.358	.295 -.324	.294 -.284	.293 -.257
.137 .002	.133 -.255	.396 -.353	.404 -.320	.407 -.306	.397 -.280	.396 -.227
.138 .027	.272 -.191	.514 -.258	.497 -.294	.502 -.299	.495 -.280	.494 -.220
.163 -.010	.416 -.178	.618 -.242	.599 -.272	.601 -.300	.594 -.275	.590 -.224
.162 .038	.565 -.157	.733 -.216	.700 -.277	.698 -.307	.693 -.303	.693 -.237
.209 -.118	.713 -.122	.835 -.161	.782 -.269	.780 -.311	.784 -.325	.777 -.251
.247 -.237	.854 -.111	.919 -.097	.864 -.235	.863 -.281	.856 -.299	.861 -.229
.276 -.289	.980 -.098	.987 -.003	.926 -.141	.923 -.178	.926 -.185	.918 -.172
.324 -.314	1.074 -.052		.975 -.035	.977 -.046	.977 -.035	.972 -.025
.361 -.223	1.122 -.006					
.396 -.145						
.438 -.093						
.487 -.016						
.518 .015	-.658 .050	-.022 .283	.024 .205	.025 .125	.019 .151	.020 .150
.556 .030	-.615 .025	.038 .046	.075 -.003	.074 -.060	.066 -.096	.076 -.130
.574 .021	-.572 -.001	.101 -.042	.137 -.074	.130 -.094	.136 -.098	.136 -.154
.593 .008	-.462 -.051	.185 -.094	.213 -.101	.214 -.105	.214 -.095	.221 -.156
.632 .010	-.329 -.072	.289 -.092	.297 -.110	.298 -.091	.489 -.086	.295 -.128
.670 .007	-.172 -.142	.398 -.102	.400 -.114	.397 -.100	.594 -.055	.396 -.087
.747 -.077	-.030 -.135	.519 -.095	.498 -.099	.501 -.093	.700 .087	.497 -.082
.766 -.128	.128 -.096	.620 -.047	.604 -.074	.603 -.067	.786 .180	.597 -.030
.785 -.211	.418 -.103	.737 .090	.705 .065	.703 .081	.858 .245	.702 .103
.804 -.203	.564 -.054	.831 .192	.785 .177	.784 .209	.919 .267	.786 .191
.823 -.189	.710 .052	.914 .222	.859 .238	.868 .273	.967 .162	.864 .238
.842 -.156	.857 .167	.986 .134	.922 .243	.923 .281		.912 .248
.861 -.085	.976 .197	1.012 .047	.967 .145	.972 .154		.985 .061
.881 -.044	1.072 .163		1.000 .021			
.900 -.010	1.110 .083					
.938 .059						
CN =	.3628	.3554	.3737	.3689	.3309	.2620
CM =	.0688	-.0122	-.0273	-.0465	-.0535	-.0461

CONFIDENTIAL

~~CONFIDENTIAL~~

TABLE II-203 CONFIGURATION 136 $M = 0.80$ $Q = 650$ $\alpha = 3.50^\circ$ $C_L = 0.3953$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.108												
.057	-.112												
.076	-.157												
.080	-.124	-.658	-.222	-.021	-.674	.023	-1.164	.025	-.956	.022	-.779	.018	-.656
.085	-.146	-.565	-.326	.035	-.782	.068	-1.075	.079	-.845	.075	-.742	.077	-.589
.093	-.126	-.452	-.372	.105	-.619	.134	-.499	.133	-.457	.129	-.469	.129	-.492
.113	.015	-.311	-.408	.178	-.559	.209	-.451	.214	-.417	.201	-.400	.209	-.337
.115	.053	-.023	-.368	.286	-.459	.294	-.395	.295	-.361	.294	-.332	.293	-.284
.137	-.004	.133	-.271	.396	-.404	.404	-.333	.407	-.332	.397	-.312	.396	-.248
.138	.037	.272	-.229	.514	-.288	.497	-.303	.502	-.311	.495	-.296	.494	-.233
.163	-.002	.416	-.190	.618	-.249	.599	-.300	.601	-.308	.594	-.297	.590	-.229
.162	.008	.565	-.165	.733	-.221	.700	-.283	.698	-.311	.693	-.323	.693	-.250
.209	-.132	.713	-.136	.835	-.171	.782	-.266	.780	-.311	.784	-.329	.777	-.258
.247	-.239	.854	-.126	.919	-.093	.864	-.239	.863	-.274	.856	-.297	.861	-.230
.276	-.312	.980	-.105	.987	-.007	.926	-.145	.923	-.168	.926	-.186	.918	-.182
.324	-.326	1.074	-.060			.975	-.037	.977	-.046	.977	-.039	.972	-.030
.361	-.221	1.122	-.020										
.396	-.168												
.438	-.116												
.487	-.022												
LOWER SURFACE													
.518	.006	-.658	.043	-.022	.334	.024	.263	.025	.211	.019	.259	.020	.249
.556	.017	-.615	.028	.038	.105	.075	.026	.074	.008	.066	-.027	.076	-.064
.574	.017	-.572	.029	.101	-.007	.137	-.038	.130	-.037	.136	-.062	.136	-.112
.593	.005	-.462	-.046	.185	-.048	.213	-.064	.214	-.079	.214	-.063	.221	-.115
.632	.006	-.329	-.067	.289	-.062	.297	-.087	.298	-.068	.489	-.062	.295	-.116
.670	.002	-.172	-.122	.398	-.103	.400	-.099	.397	-.083	.594	-.054	.396	-.082
.747	-.079	-.030	-.114	.519	-.070	.498	-.081	.501	-.074	.700	.081	.497	-.072
.766	-.135	.128	-.105	.620	-.040	.604	-.054	.603	-.060	.786	.186	.597	-.026
.785	-.212	.418	-.078	.737	.086	.705	.062	.703	.086	.858	.249	.702	.093
.804	-.200	.564	-.038	.831	.194	.785	.177	.784	.211	.919	.266	.786	.185
.823	-.193	.710	-.064	.914	.222	.859	.238	.868	.279	.967	.160	.864	.237
.842	-.157	.857	.174	.986	.123	.922	.242	.923	.281			.912	.235
.861	-.087	.976	.204	1.012	.037	.967	.141	.972	.148			.985	.047
.881	-.052	1.072	.158			1.000	.021						
.900	-.012	1.110	.083										
.938	.056												
CN =		.4177		.4160		.4219		.4154		.3932		.3120	
CM =		.0827		-.0026		-.0203		-.0388		-.0444		-.0356	

TABLE II-204 CONFIGURATION 136 $M = 0.80$ $Q = 650$ $\alpha = 4.08^\circ$ $C_L = 0.4583$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.091												
.057	-.100												
.076	-.151												
.080	-.134	-.658	-.254	-.021	-.924	.023	-1.247	.025	-1.119	.022	-1.060	.018	-.989
.085	-.149	-.565	-.341	.035	-.900	.068	-1.240	.079	-1.122	.075	-.931	.077	-.737
.093	-.101	-.452	-.382	.105	-.647	.134	-.717	.133	-.506	.129	-.512	.129	-.591
.113	.000	-.311	-.422	.178	-.605	.209	-.463	.214	-.450	.201	-.460	.209	-.361
.115	.050	-.023	-.366	.286	-.498	.294	-.423	.295	-.379	.294	-.357	.293	-.299
.137	.010	.133	-.303	.396	-.395	.404	-.357	.407	-.346	.397	-.325	.396	-.264
.138	.023	.272	-.238	.514	-.299	.497	-.315	.502	-.333	.495	-.322	.494	-.253
.163	-.029	.416	-.188	.618	-.265	.599	-.298	.601	-.323	.594	-.300	.590	-.239
.162	.025	.565	-.185	.733	-.213	.700	-.291	.698	-.317	.693	-.320	.693	-.254
.209	-.135	.713	-.160	.835	-.158	.782	-.267	.780	-.309	.784	-.328	.777	-.266
.247	-.259	.854	-.121	.919	-.095	.864	-.230	.863	-.257	.856	-.285	.861	-.235
.276	-.314	.980	-.113	.987	.003	.926	-.139	.923	-.150	.926	-.171	.918	-.178
.324	-.320	1.074	-.066			.975	-.038	.977	-.051	.977	-.039	.972	-.030
.361	-.243	1.122	-.019										
.396	-.172												
.438	-.122												
.487	-.042												
LOWER SURFACE													
.518	.004	-.658	.038	-.022	.337	.024	.323	.025	.283	.019	.326	.020	.344
.556	.020	-.615	.045	.038	.141	.075	.093	.074	.075	.066	.049	.076	-.001
.574	.014	-.572	.037	.101	.034	.137	-.010	.130	.003	.136	-.002	.136	-.061
.593	.004	-.462	-.031	.185	-.031	.213	-.046	.214	-.027	.214	-.030	.221	-.067
.632	.009	-.329	-.050	.289	-.038	.297	-.056	.298	-.033	.489	-.058	.295	-.081
.670	-.003	-.172	-.108	.398	-.061	.400	-.073	.397	-.057	.594	-.032	.396	-.076
.747	-.077	-.030	-.116	.519	-.063	.498	-.069	.501	-.059	.700	.092	.497	-.070
.766	-.134	.128	-.080	.620	-.017	.604	-.045	.603	-.045	.786	.186	.597	-.022
.785	-.209	.418	-.074	.737	.097	.705	.073	.703	.095	.858	.259	.702	.097
.804	-.199	.564	-.023	.831	.194	.785	.184	.784	.211	.919	.271	.786	.180
.823	-.193	.710	.076	.914	.233	.859	.246	.868	.278	.967	.154	.864	.237
.842	-.164	.857	.186	.986	.125	.922	.249	.923	.285			.912	.234
.861	-.097	.976	.210	1.012	.025	.967	.143	.972	.148			.985	.046
.881	-.056	1.072	.167			1.000	.024						
.900	-.020	1.110	.086										
.938	.051												
CN =		.4583		.4652		.4778		.4742		.4515		.3717	
CM =		.0908		.0059		-.0119		-.0283		-.0325		-.0235	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-207 CONFIGURATION 136 M = 0.80 Q = 650 $\alpha = 9.30^\circ$ $C_L = 0.8289$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 .043						
.057 -.170						
.076 -.199						
.080 -.135	-.658 -.515	-.021 -1.628	.023 -.876	.025 -.582	.022 -.401	.018 -.440
.085 -.175	-.565 -.587	.035 -1.618	.068 -.837	.079 -.574	.075 -.398	.077 -.421
.093 -.145	-.452 -.609	.105 -1.581	.134 -.855	.133 -.550	.129 -.391	.129 -.360
.113 -.003	-.311 -.599	.178 -1.534	.209 -.828	.214 -.539	.201 -.385	.209 -.344
.115 .035	-.023 -.542	.286 -1.459	.294 -.813	.295 -.540	.294 -.378	.293 -.333
.137 -.035	.133 -.430	.396 -1.218	.404 -.781	.407 -.531	.397 -.382	.396 -.323
.138 .000	.272 -.391	.514 -.133	.497 -.775	.502 -.497	.495 -.374	.494 -.308
.163 -.042	.416 -.364	.618 -.147	.599 -.757	.601 -.485	.594 -.353	.590 -.289
.162 -.044	.565 -.325	.733 -.237	.700 -.752	.698 -.465	.693 -.347	.693 -.276
.209 -.191	.713 -.248	.835 -.195	.782 -.727	.780 -.459	.784 -.339	.777 -.266
.247 -.312	.854 -.231	.919 -.145	.864 -.694	.863 -.450	.856 -.326	.861 -.254
.276 -.364	.980 -.174	.987 -.060	.926 -.660	.923 -.437	.926 -.323	.918 -.248
.324 -.384	1.074 -.102		.975 -.622	.977 -.416	.977 -.324	.972 -.251
.361 -.322	1.122 -.049					
.396 -.277						
.438 -.246						
.487 -.135						
.518 -.058	-.658 .064	-.022 .409	.024 .541	.025 .509	.019 .491	.020 .434
.556 -.021	-.615 .107	.038 .372	.075 .354	.074 .312	.066 .254	.076 .147
.574 -.015	-.572 .133	.101 .284	.137 .240	.130 .211	.136 .145	.136 .047
.593 -.027	-.462 .101	.185 .209	.213 .175	.214 .122	.214 .071	.221 -.015
.632 -.018	-.329 .085	.289 .157	.297 .121	.298 .070	.489 -.063	.295 -.059
.670 -.020	-.172 .023	.398 .101	.400 .051	.397 .009	.594 -.097	.396 -.090
.747 -.091	-.030 .050	.519 .067	.498 .020	.501 -.038	.700 .001	.497 -.106
.766 -.140	.128 .064	.620 .067	.604 -.004	.603 -.084	.786 .092	.597 -.098
.785 -.220	.418 .066	.737 .148	.705 .061	.703 .010	.858 .173	.702 -.002
.804 -.215	.564 .099	.831 .242	.785 .123	.784 .121	.919 .183	.786 .082
.823 -.212	.710 .172	.914 .255	.859 .165	.868 .187	.967 -.013	.864 .148
.842 -.184	.857 .259	.986 .132	.922 .141	.923 .170		.912 .145
.861 -.130	.976 .274	1.012 .041	.967 -.101	.972 -.053		.985 -.177
.881 -.104	1.072 .205		1.000 -.577			
.900 -.062	1.110 .103					
.938 .026						
CN =	.9321	1.0079	.8933	.5938	.4289	.3242
CM =	.2111	.0690	-.0905	-.0562	-.0429	-.0251

TABLE II-208 CONFIGURATION 136 M = 0.80 Q = 650 $\alpha = 11.53^\circ$ $C_L = 0.9550$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 .030						
.057 -.175						
.076 -.203						
.080 -.143	-.658 -.680	-.021 -1.637	.023 -.901	.025 -.521	.022 -.361	.018 -.334
.085 -.173	-.565 -.717	.035 -1.615	.068 -.890	.079 -.509	.075 -.359	.077 -.332
.093 -.138	-.452 -.701	.105 -1.565	.134 -.877	.133 -.488	.129 -.357	.129 -.325
.113 -.018	-.311 -.675	.178 -1.481	.209 -.876	.214 -.480	.201 -.364	.209 -.319
.115 .030	-.023 -.601	.286 -1.381	.294 -.853	.295 -.475	.294 -.362	.293 -.316
.137 -.039	.133 -.510	.396 -1.268	.404 -.821	.407 -.468	.397 -.361	.396 -.313
.138 .016	.272 -.450	.514 -1.108	.497 -.768	.502 -.475	.495 -.359	.494 -.309
.163 -.061	.416 -.407	.618 -.979	.599 -.727	.601 -.463	.594 -.358	.590 -.297
.162 -.054	.565 -.357	.733 -.779	.700 -.696	.698 -.460	.693 -.353	.693 -.288
.209 -.211	.713 -.320	.835 -.538	.782 -.669	.780 -.460	.784 -.347	.777 -.289
.247 -.330	.854 -.310	.919 -.351	.864 -.656	.863 -.449	.856 -.345	.861 -.284
.276 -.376	.980 -.265	.987 -.236	.926 -.616	.923 -.441	.926 -.343	.918 -.282
.324 -.391	1.074 -.169		.975 -.603	.977 -.429	.977 -.329	.972 -.267
.361 -.343	1.122 -.082					
.396 -.297						
.438 -.262						
.487 -.143						
.518 -.111	-.658 .056	-.022 .374	.024 .550	.025 .548	.019 .533	.020 .479
.556 -.078	-.615 .127	.038 .327	.075 .420	.074 .373	.066 .311	.076 .225
.574 -.061	-.572 .164	.101 .348	.137 .305	.130 .259	.136 .214	.136 .115
.593 -.061	-.462 .158	.185 .281	.213 .205	.214 .173	.214 .124	.221 .027
.632 -.034	-.329 .130	.289 .210	.297 .163	.298 .111	.489 -.030	.295 -.017
.670 -.026	-.172 .110	.398 .146	.400 .092	.397 .041	.594 -.081	.396 -.066
.747 -.089	-.030 .095	.519 .102	.498 .035	.501 -.016	.700 .010	.497 -.110
.766 -.139	.128 .125	.620 .091	.604 -.016	.603 -.059	.786 .096	.597 -.093
.785 -.216	.418 .111	.737 .148	.705 .019	.703 .018	.858 .172	.702 -.003
.804 -.213	.564 .133	.831 .225	.785 .108	.784 .120	.919 .184	.786 .069
.823 -.214	.710 .207	.914 .228	.859 .162	.868 .184	.967 -.022	.864 .129
.842 -.205	.857 .292	.986 .029	.922 .130	.923 .169		.912 .123
.861 -.153	.976 .292	1.012 -.166	.967 -.104	.972 -.066		.985 -.207
.881 -.119	1.072 .216		1.000 -.553			
.900 -.077	1.110 .102					
.938 .011						
CN =	1.1441	1.3362	.9044	.5858	.4473	.3320
CM =	.2593	-.0212	-.0753	-.0571	-.0437	-.0269

~~CONFIDENTIAL~~

TABLE II-209 CONFIGURATION 136 M = 0.80 Q = 650 $\alpha = 13.71^\circ$ $C_L = 1.0744$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	-.013												
.057	-.191												
.076	-.208												
.080	-.158	-.658	-.834	-.021	-1.169	.023	-.867	.025	-.540	.022	-.378	.018	-.322
.085	-.170	-.565	-.855	.035	-1.162	.068	-.847	.079	-.537	.075	-.369	.077	-.333
.093	-.142	-.452	-.794	.105	-1.240	.134	-.809	.133	-.519	.129	-.367	.129	-.330
.113	-.015	-.311	-.741	.178	-1.282	.209	-.822	.214	-.502	.201	-.366	.209	-.312
.115	.009	-.023	-.644	.286	-1.227	.294	-.782	.295	-.485	.294	-.365	.293	-.322
.137	-.040	.133	-.589	.396	-1.164	.404	-.749	.407	-.486	.397	-.357	.396	-.321
.138	-.040	.272	-.550	.514	-1.072	.497	-.751	.502	-.484	.495	-.371	.494	-.304
.163	-.050	.416	-.488	.618	-1.034	.599	-.707	.601	-.477	.594	-.364	.590	-.322
.162	-.076	.565	-.508	.733	-.935	.700	-.692	.698	-.469	.693	-.359	.693	-.310
.209	-.224	.713	-.438	.835	-.857	.782	-.671	.780	-.472	.784	-.356	.777	-.309
.247	-.346	.854	-.396	.919	-.741	.864	-.639	.863	-.460	.856	-.346	.861	-.311
.276	-.408	.980	-.322	.987	-.699	.926	-.614	.923	-.453	.926	-.348	.918	-.299
.324	-.406	1.074	-.225			.975	-.583	.977	-.437	.977	-.350	.972	-.288
.361	-.362	1.122	-.130										
.396	-.326												
.438	-.271												
.487	-.219												
.518	-.174	-.658	.058	-.022	.361	.024	.552	.025	.582	.019	.552	.020	.521
.556	-.140	-.615	.144	.038	.470	.075	.460	.074	.443	.066	.386	.076	.299
.574	-.109	-.572	.200	.101	.411	.137	.364	.130	.330	.136	.278	.136	.176
.593	-.085	-.462	.206	.185	.331	.213	.284	.214	.225	.214	.198	.221	.083
.632	-.053	-.329	.201	.289	.265	.297	.196	.298	.169	.489	-.001	.295	.020
.670	-.035	-.172	.159	.398	.200	.400	.121	.397	.093	.594	-.046	.396	-.029
.747	-.095	-.030	.157	.519	.135	.498	.058	.501	.020	.700	.031	.497	-.070
.766	-.154	.128	.173	.620	.118	.604	.002	.603	-.035	.786	.108	.597	-.082
.785	-.225	.418	.173	.737	.152	.705	.030	.703	.042	.858	.190	.702	-.003
.804	-.228	.564	.193	.831	.214	.785	.115	.784	.135	.919	.188	.786	.071
.823	-.228	.710	.243	.914	.193	.859	.176	.868	.203	.967	-.017	.864	.125
.842	-.216	.857	.320	.986	-.086	.922	.142	.923	.181			.912	.115
.861	-.184	.976	.307	1.012	-.528	.967	-.112	.972	-.058			.985	-.215
.881	-.154	1.072	.221			1.000	-.572						
.900	-.113	1.110	.103										
.938	-.017												
CN =		1.3834		1.3410		.8964		.6381		.4904		.3687	
CM =		.2980		-.0962		-.0755		-.0585		-.0442		-.0282	

TABLE II-210 CONFIGURATION 136 M = 0.80 Q = 650 $\alpha = 14.89^\circ$ $C_L = 1.1354$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	-.002												
.057	-.185												
.076	-.215												
.080	-.173	-.658	-.955	-.021	-1.041	.023	-.850	.025	-.564	.022	-.372	.018	-.330
.085	-.163	-.565	-.968	.035	-1.132	.068	-.831	.079	-.552	.075	-.383	.077	-.325
.093	-.154	-.452	-.819	.105	-1.197	.134	-.812	.133	-.537	.129	-.370	.129	-.324
.113	-.014	-.311	-.788	.178	-1.198	.209	-.783	.214	-.535	.201	-.368	.209	-.322
.115	-.007	-.023	-.659	.286	-1.168	.294	-.779	.295	-.513	.294	-.382	.293	-.314
.137	-.040	.133	-.565	.396	-1.096	.404	-.741	.407	-.509	.397	-.371	.396	-.311
.138	-.048	.272	-.468	.514	-1.048	.497	-.740	.502	-.498	.495	-.375	.494	-.310
.163	-.058	.416	-.526	.618	-1.003	.599	-.711	.601	-.498	.594	-.357	.590	-.319
.162	-.098	.565	-.617	.733	-.934	.700	-.690	.698	-.491	.693	-.366	.693	-.311
.209	-.241	.713	-.562	.835	-.871	.782	-.666	.780	-.492	.784	-.363	.777	-.308
.247	-.348	.854	-.501	.919	-.808	.864	-.646	.863	-.476	.856	-.360	.861	-.305
.276	-.412	.980	-.410	.987	-.783	.926	-.631	.923	-.458	.926	-.358	.918	-.301
.324	-.431	1.074	-.263			.975	-.601	.977	-.445	.977	-.343	.972	-.304
.361	-.374	1.122	-.158										
.396	-.339												
.438	-.288												
.487	-.263												
.518	-.214	-.658	.054	-.022	.327	.024	.566	.025	.582	.019	.573	.020	.526
.556	-.174	-.615	.158	.038	.492	.075	.497	.074	.470	.066	.411	.076	.325
.574	-.136	-.572	.215	.101	.433	.137	.389	.130	.359	.136	.308	.136	.219
.593	-.118	-.462	.229	.185	.363	.213	.312	.214	.255	.214	.218	.221	.119
.632	-.069	-.329	.231	.289	.298	.297	.230	.298	.202	.489	.019	.295	.052
.670	-.044	-.172	.195	.398	.219	.400	.140	.397	.110	.594	-.025	.396	-.009
.747	-.108	-.030	.187	.519	.159	.498	.079	.501	.048	.700	.042	.497	-.049
.766	-.162	.128	.208	.620	.126	.604	.012	.603	-.014	.786	.120	.597	-.072
.785	-.236	.418	.186	.737	.155	.705	.038	.703	.048	.858	.193	.702	.004
.804	-.237	.564	.205	.831	.214	.785	.115	.784	.139	.919	.192	.786	.069
.823	-.263	.710	.264	.914	.186	.859	.172	.868	.207	.967	-.017	.864	.126
.842	-.230	.857	.333	.986	-.118	.922	.144	.923	.184			.912	.116
.861	-.196	.976	.214	1.012	-.650	.967	-.106	.972	-.057			.985	-.232
.881	-.179	1.072	.214			1.000	-.586						
.900	-.139	1.110	.091										
.938	-.031												
CN =		1.5061		1.3248		.9077		.6750		.5131		.3834	
CM =		.3087		-.1048		-.0769		-.0606		-.0454		-.0271	

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-211 CONFIGURATION 138 M = 0.80 Q = 650 $\alpha = 10.38^\circ$ $C_L = 0.8884$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .480 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
.019 .036						
.057 -.158						
.076 -.199						
.080 -.098						
.085 -.126	-.658 -.468	-.021 -1.694	.023 -.811	.025 -.520	.022 -.372	.018 -.364
.093 -.066	-.452 -.661	.035 -1.701	.068 -.811	.079 -.520	.075 -.381	.077 -.368
.113 -.044	-.311 -.627	.105 -1.633	.134 -.828	.133 -.506	.129 -.374	.129 -.348
.115 -.037	-.023 -.572	.178 -1.560	.209 -.802	.214 -.509	.201 -.370	.209 -.331
.137 -.057	.133 -.484	.286 -1.459	.294 -.810	.295 -.486	.294 -.356	.293 -.323
.138 -.068	.272 -.426	.396 -1.213	.404 -.759	.407 -.472	.397 -.357	.396 -.315
.163 -.086	.416 -.407	.514 -.878	.497 -.729	.502 -.471	.495 -.356	.494 -.297
.162 -.073	.565 -.375	.618 -.647	.599 -.694	.601 -.468	.594 -.348	.590 -.296
.209 -.245	.713 -.288	.733 -.527	.700 -.662	.698 -.469	.693 -.347	.693 -.280
.247 -.346	.854 -.259	.835 -.284	.782 -.633	.780 -.457	.784 -.352	.777 -.272
.276 -.364	.980 -.233	.919 -.231	.864 -.629	.863 -.450	.856 -.345	.861 -.271
.324 -.379	1.074 -.141	.987 -.119	.926 -.600	.923 -.440	.926 -.343	.918 -.262
.361 -.348	1.122 -.077		.975 -.547	.977 -.415	.977 -.326	.972 -.258
.396 -.287						
.438 -.251						
.487 -.126						
.518 -.080	-.658 .076	-.022 .410	.024 .550	.025 .514	.019 .504	.020 .450
.556 -.045	-.615 .126	.038 .409	.075 .392	.074 .331	.066 .266	.076 .192
.574 -.037	-.572 .167	.101 .344	.137 .281	.130 .231	.136 .170	.136 .076
.593 -.046	-.462 .136	.185 .245	.213 .208	.214 .141	.214 .099	.221 .002
.670 -.021	-.329 .103	.289 .195	.297 .147	.298 .093	.292 .037	.295 -.031
.708 -.029	-.172 .068	.519 .091	.400 .087	.397 .029	.489 -.037	.396 -.075
.747 -.084	-.030 .069	.620 .082	.498 .024	.501 -.037	.594 -.092	.497 -.110
.785 -.207	.128 .085	.737 .178	.604 -.009	.603 -.077	.700 .003	.597 -.112
.804 -.203	.418 .099	.831 .244	.705 .036	.703 .006	.786 .090	.702 -.006
.823 -.200	.564 .124	.914 .266	.785 .117	.784 .112	.858 .165	.786 .070
.861 -.140	.710 .192	.986 .116	.859 .173	.868 .170	.919 .164	.864 .129
.900 -.063	.857 .284	1.012 -.000	.967 .133	.923 .153		.912 .127
.938 .012	.976 .297		1.000 .646	.972 .096		.985 .161
	1.072 .208					
	1.110 .110					
CN =	1.0569	1.2355	.8473	.5709	.4283	.3229
CM =	.2323	.0237	-.0695	-.0547	-.0440	-.0258

TABLE II-212 CONFIGURATION 138 M = 0.80 Q = 650 $\alpha = 12.75^\circ$ $C_L = 1.0283$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .480 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
.019 .014						
.057 -.175						
.076 -.199						
.080 -.113						
.085 -.119	-.658 -.607	-.021 -1.357	.023 -.882	.025 -.490	.022 -.375	.018 -.333
.093 -.078	-.565 -.912	.035 -1.283	.068 -.876	.079 -.490	.075 -.357	.077 -.334
.113 -.053	-.452 -.732	.105 -1.243	.134 -.867	.133 -.480	.129 -.372	.129 -.334
.115 -.078	-.311 -.694	.178 -1.325	.209 -.822	.214 -.459	.201 -.360	.209 -.331
.137 -.064	-.023 -.630	.286 -1.260	.294 -.786	.295 -.457	.294 -.367	.293 -.319
.138 -.088	.133 -.550	.396 -1.207	.404 -.766	.407 -.461	.397 -.360	.396 -.324
.163 -.099	.272 -.522	.514 -1.100	.497 -.748	.502 -.455	.495 -.356	.494 -.313
.162 -.101	.416 -.487	.618 -1.024	.599 -.700	.601 -.462	.594 -.353	.590 -.312
.209 -.273	.565 -.476	.733 -.912	.700 -.689	.698 -.463	.693 -.352	.693 -.306
.247 -.365	.713 -.453	.835 -.807	.782 -.654	.780 -.452	.784 -.343	.777 -.306
.276 -.376	.854 -.380	.919 -.689	.864 -.623	.863 -.451	.856 -.352	.861 -.296
.324 -.398	.980 -.314	.987 -.575	.926 -.594	.923 -.439	.926 -.348	.918 -.290
.361 -.382	1.074 -.201		.975 -.556	.977 -.429	.977 -.334	.972 -.290
.396 -.327	1.122 -.105					
.438 -.289						
.487 -.183						
.518 -.161	-.658 .058	-.022 .379	.024 .568	.025 .544	.019 .531	.020 .486
.556 -.113	-.615 .147	.038 .464	.075 .452	.074 .383	.066 .339	.076 .280
.574 -.088	-.572 .180	.101 .395	.137 .326	.130 .277	.136 .228	.136 .153
.593 -.083	-.462 .193	.185 .317	.213 .254	.214 .190	.214 .159	.221 .068
.670 -.031	-.329 .173	.289 .257	.297 .183	.298 .133	.292 .080	.295 .009
.708 -.040	-.172 .130	.519 .128	.400 .108	.397 .059	.489 -.006	.396 -.045
.747 -.094	-.030 .120	.620 .102	.498 .030	.501 -.012	.594 -.064	.497 -.083
.785 -.221	.128 .143	.737 .167	.604 -.019	.603 -.070	.700 .012	.597 -.101
.804 -.214	.418 .142	.831 .225	.705 .020	.703 .014	.786 .101	.702 -.005
.823 -.219	.564 .161	.914 .205	.785 .109	.784 .115	.858 .170	.786 .060
.861 -.167	.710 .223	.986 .057	.859 .165	.868 .178	.919 .169	.864 .122
.900 -.100	.857 .318	1.012 -.376	.967 .125	.923 .154		.912 .117
.938 -.011	.976 .315		1.000 .584	.972 .097		.985 .176
	1.072 .211					
	1.110 .098					
CN =	1.2989	1.3525	.8771	.5784	.4600	.3582
CM =	.2703	-.0815	-.0653	-.0550	-.0442	-.0281

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-213 CONFIGURATION 138 M = 0.80 Q = 650 $\alpha = 15.08^\circ$ $C_L = 1.1449$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .400	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 -.015						
.057 -.173						
.076 -.204						
.080 -.122	-.658 -.762	-.021 -.980	.023 -.840	.025 -.567	.022 -.393	.018 -.326
.085 -.133	-.565 -1.154	.035 -1.025	.068 -.801	.079 -.549	.075 -.397	.077 -.331
.093 -.098	-.452 -.815	.105 -1.135	.134 -.809	.133 -.536	.129 -.392	.129 -.328
.113 -.053	-.311 -.765	.178 -1.164	.209 -.781	.214 -.528	.201 -.381	.209 -.327
.115 -.086	-.023 -.610	.286 -1.094	.294 -.763	.295 -.526	.294 -.378	.293 -.331
.137 -.054	.133 -.518	.396 -1.081	.404 -.753	.407 -.496	.397 -.382	.396 -.317
.138 -.090	.272 -.414	.514 -1.031	.497 -.734	.502 -.497	.495 -.387	.494 -.323
.163 -.079	.416 -.383	.618 -.991	.599 -.710	.601 -.492	.594 -.369	.590 -.326
.162 -.086	.565 -.509	.733 -.907	.700 -.696	.698 -.485	.693 -.358	.693 -.314
.209 -.268	.713 -.567	.835 -.864	.782 -.669	.780 -.471	.784 -.368	.777 -.311
.247 -.378	.854 -.545	.919 -.818	.864 -.659	.863 -.476	.856 -.365	.861 -.307
.276 -.391	.980 -.458	.987 -.812	.926 -.643	.923 -.467	.926 -.360	.918 -.312
.324 -.432	1.074 -.317		.975 -.611	.977 -.445	.977 -.356	.972 -.305
.361 -.415	1.122 -.208					
.396 -.340						
.438 -.303						
.487 -.284						
.518 -.240	-.658 .032	-.022 .334	.024 .586	.025 .556	.019 .550	.020 .514
.556 -.196	-.615 .159	.038 .507	.075 .520	.074 .448	.066 .399	.076 .324
.574 -.154	-.572 .225	.101 .446	.137 .403	.130 .343	.136 .301	.136 .206
.593 -.137	-.462 .261	.185 .365	.213 .318	.214 .260	.214 .227	.221 .114
.670 -.051	-.329 .236	.289 .300	.297 .239	.298 .188	.292 .134	.295 .059
.708 -.049	-.172 .201	.519 .152	.400 .151	.397 .104	.489 .028	.396 -.010
.747 -.105	-.030 .196	.620 .120	.498 .071	.501 .029	.594 -.040	.497 -.063
.785 -.239	.128 .227	.737 .171	.604 .003	.603 -.027	.700 .027	.597 -.085
.804 -.231	.418 .222	.831 .209	.705 .029	.703 .033	.786 .106	.702 -.000
.823 -.231	.564 .218	.914 .179	.785 .110	.784 .139	.858 .183	.786 .050
.861 -.198	.710 .267	.986 -.159	.859 .169	.868 .195	.919 .175	.864 .112
.900 -.132	.857 .347	1.012 -.714	.967 .140	.923 .168		.912 .100
.938 -.037	.976 .322		1.000 -.625	.972 -.096		.985 -.207
	1.072 .211					
	1.110 .077					
CN =	1.4874	1.2936	.9008	.6585	.5131	.3833
CM =	.3028	-.1062	-.0716	-.0574	-.0452	-.0269

TABLE II-214 CONFIGURATION 138 M = 0.80 Q = 650 $\alpha = 17.43^\circ$ $C_L = 1.2773$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .400	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 -.014						
.057 -.179						
.076 -.196						
.080 -.145	-.658 -.899	-.021 -.984	.023 -.838	.025 -.600	.022 -.453	.018 -.363
.085 -.120	-.565 -1.475	.035 -1.070	.068 -.830	.079 -.581	.075 -.437	.077 -.365
.093 -.126	-.452 -1.114	.105 -1.165	.134 -.840	.133 -.583	.129 -.432	.129 -.367
.113 -.061	-.311 -.808	.178 -1.141	.209 -.810	.214 -.571	.201 -.433	.209 -.363
.115 -.114	-.023 -.627	.286 -1.081	.294 -.786	.295 -.565	.294 -.428	.293 -.360
.137 -.073	.133 -.503	.396 -1.054	.404 -.778	.407 -.556	.397 -.428	.396 -.355
.138 -.123	.272 -.414	.514 -1.025	.497 -.746	.502 -.543	.495 -.401	.494 -.359
.163 -.099	.416 -.514	.618 -.987	.599 -.742	.601 -.522	.594 -.417	.590 -.356
.162 -.134	.565 -.712	.733 -.925	.700 -.708	.698 -.523	.693 -.414	.693 -.353
.209 -.308	.713 -.652	.835 -.878	.782 -.687	.780 -.517	.784 -.404	.777 -.356
.247 -.408	.854 -.593	.919 -.872	.864 -.680	.863 -.501	.856 -.398	.861 -.353
.276 -.428	.980 -.550	.987 -.881	.926 -.653	.923 -.498	.926 -.390	.918 -.343
.324 -.464	1.074 -.398		.975 -.640	.977 -.485	.977 -.382	.972 -.336
.361 -.443	1.122 -.278					
.396 -.344						
.438 -.339						
.487 -.373						
.518 -.303	-.658 .036	-.022 .299	.024 .586	.025 .569	.019 .547	.020 .526
.556 -.256	-.615 .188	.038 .540	.075 .556	.074 .502	.066 .457	.076 .387
.574 -.226	-.572 .263	.101 .521	.137 .462	.130 .409	.136 .365	.136 .272
.593 -.196	-.462 .310	.185 .445	.213 .367	.214 .300	.214 .270	.221 .167
.670 -.082	-.329 .304	.289 .366	.297 .294	.298 .238	.292 .190	.295 .103
.708 -.068	-.172 .263	.519 .201	.400 .198	.397 .149	.489 .080	.396 .029
.747 -.134	-.030 .247	.620 .163	.498 .111	.501 .070	.594 -.007	.497 -.039
.785 -.257	.128 .256	.737 .194	.604 .036	.603 -.001	.700 .048	.597 -.063
.804 -.257	.418 .261	.831 .225	.705 .057	.703 .055	.786 .117	.702 .000
.823 -.262	.564 .265	.914 .189	.785 .128	.784 .148	.858 .191	.786 .053
.861 -.247	.710 .305	.986 -.170	.859 .182	.868 .206	.919 .182	.864 .107
.900 -.186	.857 .374	1.012 -.869	.967 .130	.923 .170		.912 .098
.938 -.076	.976 .344		1.000 -.645	.972 -.100		.985 -.217
	1.072 .206					
	1.110 .066					
CN =	1.7335	1.3440	.9555	.7296	.5870	.4445
CM =	.3682	-.1122	-.0765	-.0630	-.0500	-.0303

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-215 CONFIGURATION 138 M = 0.80 Q = 650 $\alpha = 19.74^\circ$ $C_L = 1.4103$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .480 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
.019 -.032						
.057 -.176						
.076 -.181						
.080 -.153	-.658 -1.020	-.021 -1.183	.023 -.822	.025 -.607	.022 -.500	.018 -.406
.085 -.113	-.565 -1.672	.035 -1.158	.068 -.816	.079 -.577	.075 -.510	.077 -.404
.093 -.144	-.452 -1.575	.105 -1.222	.134 -.850	.133 -.587	.129 -.487	.129 -.405
.113 -.068	-.311 -1.622	.178 -1.229	.209 -.856	.214 -.589	.201 -.493	.209 -.404
.115 -.136	-.023 -.624	.286 -1.157	.294 -.831	.295 -.588	.294 -.478	.293 -.405
.137 -.068	.133 -.571	.396 -1.105	.404 -.778	.407 -.584	.397 -.483	.396 -.405
.138 -.142	.272 -.569	.514 -1.073	.497 -.787	.502 -.573	.495 -.486	.494 -.397
.163 -.092	.416 -.544	.618 -1.040	.599 -.736	.601 -.555	.594 -.471	.590 -.398
.162 -.163	.565 -.776	.733 -.964	.700 -.724	.698 -.552	.693 -.465	.693 -.387
.209 -.315	.713 -.684	.835 -.937	.782 -.702	.780 -.547	.784 -.460	.777 -.391
.247 -.426	.854 -.717	.919 -.927	.864 -.681	.863 -.541	.856 -.448	.861 -.387
.276 -.463	.980 -.611	.987 -.950	.926 -.679	.923 -.532	.926 -.449	.918 -.387
.324 -.528	1.074 -.478		.975 -.653	.977 -.520	.977 -.437	.972 -.374
.361 -.504	1.122 -.326					
.396 -.369						
.438 -.460						
.487 -.423						
.518 -.351	-.658 .015	-.022 .227	.024 .548	.025 .560	.019 .526	.020 .502
.556 -.318	-.615 .185	.038 .559	.075 .583	.074 .540	.066 .498	.076 .428
.574 -.287	-.572 .300	.101 .548	.137 .492	.130 .464	.136 .401	.136 .327
.593 -.246	-.462 .367	.185 .478	.213 .415	.214 .360	.214 .321	.210 .320
.670 -.118	-.329 .369	.289 .406	.297 .331	.298 .283	.292 .232	.295 .142
.708 -.099	-.172 .341	.519 .239	.400 .242	.397 .198	.489 .103	.396 .055
.747 -.142	-.030 .328	.620 .190	.498 .152	.501 .118	.594 .025	.497 -.010
.785 -.283	.128 .330	.737 .210	.604 .064	.603 .038	.700 .061	.597 -.052
.804 -.276	.418 .317	.831 .226	.705 .074	.703 .081	.786 .122	.702 .005
.823 -.290	.564 .314	.914 .189	.785 .145	.784 .157	.858 .196	.786 .051
.861 -.294	.710 .347	.986 -.169	.859 .195	.868 .212	.919 .176	.864 .095
.900 -.242	.857 .401	1.012 -.942	.967 -.129	.923 .178		.912 .080
.938 -.125	.976 .354		1.000 -.668	.972 -.101		.985 -.251
	1.072 .213					
	1.110 .045					
CN =	2.1635	1.4343	.9958	.7867	.6669	.5003
CM =	.5590	-.1180	-.0813	-.0711	-.0580	-.0328

TABLE II-216 CONFIGURATION 138 M = 0.80 Q = 650 $\alpha = 21.00^\circ$ $C_L = 1.4784$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .480 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
.019 -.038						
.057 -.172						
.076 -.173						
.080 -.166	-.658 -1.067	-.021 -1.188	.023 -.807	.025 -.594	.022 -.509	.018 -.428
.085 -.103	-.565 -1.709	.035 -1.213	.068 -.813	.079 -.596	.075 -.511	.077 -.438
.093 -.152	-.452 -1.653	.105 -1.275	.134 -.827	.133 -.575	.129 -.506	.129 -.418
.113 -.064	-.311 -1.799	.178 -1.243	.209 -.833	.214 -.582	.201 -.502	.209 -.423
.115 -.131	-.023 -.850	.286 -1.171	.294 -.800	.295 -.590	.294 -.500	.293 -.423
.137 -.066	.133 -.710	.396 -1.130	.404 -.803	.407 -.581	.397 -.486	.396 -.420
.138 -.154	.272 -.665	.514 -1.094	.497 -.777	.502 -.557	.495 -.489	.494 -.417
.163 -.089	.416 -.835	.618 -1.030	.599 -.759	.601 -.562	.594 -.490	.590 -.423
.162 -.154	.565 -.827	.733 -.953	.700 -.737	.698 -.552	.693 -.485	.693 -.411
.209 -.323	.713 -.778	.835 -.968	.782 -.723	.780 -.548	.784 -.484	.777 -.416
.247 -.446	.854 -.739	.919 -.965	.864 -.695	.863 -.547	.856 -.478	.861 -.408
.276 -.486	.980 -.575	.987 -.994	.926 -.675	.923 -.543	.926 -.467	.918 -.408
.324 -.558	1.074 -.449		.975 -.660	.977 -.535	.977 -.460	.972 -.401
.361 -.536	1.122 -.311					
.396 -.406						
.438 -.501						
.487 -.438						
.518 -.372	-.658 .000	-.022 .197	.024 .544	.025 .545	.019 .510	.020 .492
.556 -.328	-.615 .208	.038 .580	.075 .604	.074 .551	.066 .509	.076 .445
.574 -.322	-.572 .314	.101 .574	.137 .534	.130 .473	.136 .426	.136 .343
.593 -.262	-.462 .400	.185 .518	.213 .443	.214 .374	.214 .342	.210 .234
.670 -.131	-.329 .408	.289 .454	.297 .364	.298 .311	.292 .247	.295 .163
.708 -.109	-.172 .370	.519 .276	.400 .265	.397 .219	.489 .121	.396 .078
.747 -.155	-.030 .359	.620 .216	.498 .177	.501 .140	.594 .040	.497 -.003
.785 -.283	.128 .361	.737 .233	.604 .092	.603 .052	.700 .072	.597 -.045
.804 -.281	.418 .361	.831 .246	.705 .098	.703 .079	.786 .127	.702 -.004
.823 -.302	.564 .349	.914 .202	.785 .150	.784 .165	.858 .192	.786 .042
.861 -.322	.710 .374	.986 -.163	.859 .203	.868 .215	.919 .178	.864 .086
.900 -.262	.857 .416	1.012 -.956	.967 -.129	.923 .177		.912 .075
.938 -.143	.976 .375		1.000 -.677	.972 -.121		.985 -.270
	1.072 .216					
	1.110 .047					
CN =	2.4119	1.4841	1.0166	.7963	.6926	.5273
CM =	.6241	-.1230	-.0859	-.0723	-.0618	-.0343

~~CONFIDENTIAL~~

TABLE II-217 CONFIGURATION 136 M = 0.50 Q = 500 $\alpha = -8.99^{\circ}$ $C_L = -0.7315$ $\beta = 0^{\circ}$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.217												
.057	.061												
.076	.031												
.080	-.092	-.658	.026	-.021	.303	.023	.527	.025	.536	.022	.561	.018	.512
.085	.017	-.565	.022	.035	.351	.068	.440	.079	.399	.075	.411	.077	.311
.093	-.071	-.452	.013	.105	.297	.134	.344	.133	.355	.129	.325	.129	.246
.113	.101	-.311	.004	.178	.230	.209	.267	.214	.271	.201	.248	.209	.156
.115	.054	-.023	.026	.286	.175	.294	.207	.295	.202	.294	.189	.293	.090
.137	.118	.133	.059	.396	.127	.404	.143	.407	.140	.397	.110	.396	.029
.138	.054	.272	.081	.514	.106	.497	.089	.502	.082	.495	.049	.494	-.035
.163	.115	.416	.091	.618	.058	.599	.045	.601	.023	.594	-.023	.590	-.095
.162	.046	.565	.095	.733	.028	.700	-.018	.698	-.037	.693	-.128	.693	-.173
.209	.059	.713	.083	.835	-.017	.782	-.069	.780	-.088	.784	-.250	.777	-.250
.247	-.005	.854	.053	.919	-.037	.864	-.127	.863	-.148	.856	-.374	.861	-.331
.276	-.054	.980	.046	.987	-.035	.926	-.149	.923	-.148	.926	-.539	.918	-.391
.324	-.067	1.074	.044			.975	-.121	.977	-.084	.977	-.667	.972	-.380
.361	.008	1.122	.026										
.396	.063												
.438	.105												
.487	.160												
LOWER SURFACE													
.518	.162	-.658	-.239	-.022	-2.453	.024	-1.562	.025	-.819	.019	-.323	.020	-.221
.556	.132	-.615	-.293	.038	-1.346	.075	-1.476	.074	-.774	.066	-.351	.076	-.211
.574	.097	-.572	-.330	.101	-1.113	.137	-1.527	.130	-.784	.136	-.360	.136	-.220
.593	.072	-.462	-.374	.185	-.775	.213	-1.519	.214	-.712	.214	-.330	.221	-.210
.632	.050	-.329	-.332	.289	-.584	.297	-1.396	.298	-.760	.489	-.367	.295	-.220
.670	.030	-.172	-.376	.398	-.461	.400	-1.023	.397	-.758	.594	-.362	.396	-.216
.747	-.067	-.030	-.401	.519	-.320	.498	-.595	.501	-.712	.700	-.355	.497	-.224
.766	-.102	.128	-.382	.620	-.195	.604	-.102	.603	-.770	.786	-.347	.597	-.232
.785	-.178	.418	-.349	.737	-.090	.705	-.010	.703	-.738	.858	-.333	.702	-.235
.804	-.174	.564	-.269	.831	-.050	.785	.076	.784	-.641	.919	-.331	.786	-.219
.823	-.156	.710	-.121	.914	.002	.859	.144	.868	-.583	.967	-.313	.864	-.212
.842	-.103	.857	.054	.986	.054	.922	.175	.923	-.562			.912	-.197
.861	-.007	.976	.127	1.012	.046	.967	.128	.972	-.615			.985	-.213
.881	.046	1.072	.110			1.000	.073						
.900	.076	1.110	.051										
.938	.106												
CN =		-.F332		-.6631		-.7719		-.8209		-.3453		-.1853	
CM =		-.1774		-.1080		-.1315		.0518		-.0365		-.0403	

TABLE II-218 CONFIGURATION 136 M = 0.50 Q = 500 $\alpha = -6.72^{\circ}$ $C_L = -0.5742$ $\beta = 0^{\circ}$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.196												
.057	.035												
.076	-.002												
.080	-.088	-.658	.035	-.021	.367	.023	.495	.025	.496	.022	.527	.018	.499
.085	-.020	-.565	-.006	.035	.273	.058	.378	.079	.322	.075	.353	.077	.269
.093	-.060	-.452	-.039	.105	.204	.134	.255	.133	.281	.129	.287	.129	.222
.113	.092	-.311	-.034	.178	.141	.209	.192	.214	.205	.201	.196	.209	.126
.115	.072	-.023	-.030	.286	.091	.294	.143	.295	.145	.294	.170	.293	.088
.137	.101	.133	.009	.396	.065	.404	.085	.407	.096	.397	.104	.396	.025
.138	.048	.272	.047	.514	.020	.497	.064	.502	.054	.495	.040	.494	-.038
.163	.088	.416	.067	.618	.015	.599	.027	.601	.001	.594	.006	.590	-.088
.162	.058	.565	.046	.733	-.012	.700	-.038	.698	-.051	.693	-.079	.693	-.164
.209	.020	.713	.058	.835	-.044	.782	-.063	.780	-.093	.784	-.163	.777	-.250
.247	-.051	.854	.016	.919	-.062	.864	-.104	.863	-.137	.856	-.195	.861	-.311
.276	-.105	.980	.023	.987	-.039	.926	-.099	.923	-.131	.926	-.198	.918	-.379
.324	-.080	1.074	.016			.975	-.041	.977	-.063	.977	-.404	.972	-.377
.361	-.028	1.122	.011										
.396	.039												
.438	.079												
.487	.129												
LOWER SURFACE													
.518	.140	-.658	-.150	-.022	-1.541	.024	-2.400	.025	-1.142	.019	-1.199	.020	-.583
.556	.101	-.615	-.207	.038	-.976	.075	-1.186	.074	-1.176	.066	-1.137	.076	-.539
.574	.090	-.572	-.264	.101	-.809	.137	-.844	.130	-1.067	.136	-1.125	.136	-.493
.593	.068	-.462	-.310	.185	-.655	.213	-.671	.214	-.892	.214	-1.112	.221	-.445
.632	.038	-.329	-.296	.289	-.477	.297	-.504	.298	-.748	.489	-.584	.295	-.410
.670	.027	-.172	-.323	.398	-.405	.400	-.373	.397	-.559	.594	-.319	.396	-.388
.747	-.061	-.030	-.336	.519	-.293	.498	-.298	.501	-.394	.700	-.103	.497	-.358
.766	-.102	.128	-.317	.620	-.171	.604	-.161	.603	-.299	.786	.007	.597	-.337
.785	-.188	.418	-.287	.737	-.039	.705	-.038	.703	-.180	.858	.079	.702	-.335
.804	-.168	.564	-.215	.831	.015	.785	-.014	.784	-.048	.919	.109	.786	-.325
.823	-.150	.710	-.088	.914	.067	.859	-.006	.868	-.028	.967	.085	.864	-.287
.842	-.096	.857	.054	.986	.089	.922	.024	.923	-.007			.912	-.277
.861	-.010	.976	.115	1.012	.070	.967	.025	.972	.049			.985	-.305
.881	.039	1.072	.100			1.000	.037						
.900	.059	1.110	.074										
.938	.104												
CN =		-.3843		-.4655		-.5164		-.5593		-.5771		-.3467	
CM =		-.1381		-.0904		-.0983		-.0771		-.1156		-.0349	

~~CONFIDENTIAL~~

TABLE II-219 CONFIGURATION 136 M = 0.50 Q = 500 $\alpha = -4.52^\circ$ $C_L = -0.3857$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.179												
.057	.005												
.076	-.024												
.080	-.095	-.658	-.022	-.021	.339	.023	.409	.025	.423	.022	.514	.018	.515
.085	-.051	-.565	-.033	.035	.162	.068	.225	.079	.185	.075	.299	.077	.270
.093	-.085	-.452	-.066	.105	.083	.134	.122	.133	.196	.129	.226	.129	.194
.113	.056	-.311	-.122	.178	.050	.209	.065	.214	.118	.201	.157	.209	.096
.115	.083	-.023	-.106	.286	.009	.294	.042	.295	.058	.294	.117	.293	.056
.137	.067	.133	-.058	.396	-.017	.404	.003	.407	.026	.397	.071	.396	.019
.138	.053	.272	-.018	.514	-.023	.497	-.029	.502	-.006	.495	.019	.494	-.016
.163	.074	.416	-.007	.618	-.023	.599	-.059	.601	-.050	.594	-.026	.590	-.062
.162	.060	.565	-.005	.733	-.045	.700	-.093	.698	-.092	.693	-.083	.693	-.099
.209	.006	.713	.024	.835	-.062	.782	-.117	.780	-.126	.784	-.133	.777	-.137
.247	-.078	.854	-.006	.919	-.060	.864	-.127	.863	-.156	.856	-.167	.861	-.151
.276	-.131	.980	.015	.987	-.014	.926	-.104	.923	-.132	.926	-.158	.918	-.138
.324	-.119	1.074	.016			.975	-.023	.977	-.028	.977	-.057	.972	-.054
.361	-.054	1.122	.011										
.396	.003												
.438	.047												
.487	.107												
.518	-.114	-.658	-.087	-.022	-.886	.024	-1.707	.025	-2.174	.019	-2.474	.020	-1.608
.556	.092	-.615	-.122	.038	-.705	.075	-.956	.074	-.996	.066	-1.218	.076	-1.169
.574	.082	-.572	-.140	.101	-.639	.137	-.707	.130	-.710	.136	-.723	.136	-.771
.593	.056	-.462	-.261	.185	-.488	.213	-.519	.214	-.536	.214	-.541	.221	-.868
.632	.035	-.329	-.230	.289	-.368	.297	-.442	.298	-.424	.489	-.223	.295	-.703
.670	.031	-.172	-.296	.398	-.325	.400	-.357	.397	-.332	.594	-.132	.396	-.293
.747	-.056	-.030	-.299	.519	-.234	.498	-.274	.501	-.250	.700	-.014	.497	-.206
.766	-.096	.128	-.268	.620	-.128	.604	-.171	.603	-.157	.786	.035	.597	-.102
.785	-.183	.418	-.256	.737	.020	.705	-.005	.703	-.019	.858	.050	.702	-.010
.804	-.171	.564	-.168	.831	.089	.785	.054	.784	-.016	.919	.083	.786	-.007
.823	-.145	.710	-.049	.914	.132	.859	.069	.868	.039	.967	.084	.864	.063
.842	-.102	.857	.086	.986	.115	.922	.104	.923	.063			.912	.118
.861	-.020	.976	.128	1.012	-.078	.967	.108	.972	.092			.985	.054
.881	.026	1.072	.111			1.000	.079						
.900	.047	1.110	.080										
.938	.082												
CM =		-.2174		-.2821		-.3379		-.3770		-.4095		-.3975	
CM =		-.0919		-.0762		-.0914		-.0990		-.1167		-.1063	

TABLE II-220 CONFIGURATION 136 M = 0.50 Q = 500 $\alpha = -2.29^\circ$ $C_L = -0.1709$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.134												
.057	-.003												
.076	-.053												
.080	-.083	-.658	-.045	-.021	.184	.023	.180	.025	.204	.022	.369	.018	.440
.085	-.044	-.565	-.098	.035	-.003	.068	-.003	.079	-.019	.075	.152	.077	.137
.093	-.073	-.452	-.149	.105	-.042	.134	-.008	.133	.032	.129	.092	.129	.095
.113	.034	-.311	-.182	.178	-.085	.209	-.065	.214	-.015	.201	.051	.209	.039
.115	.052	-.023	-.162	.286	-.108	.294	-.053	.295	-.020	.294	.028	.293	-.012
.137	.058	.133	-.130	.396	-.100	.404	-.063	.407	-.062	.397	-.018	.396	-.032
.138	.055	.272	-.084	.514	-.075	.497	-.104	.502	-.090	.495	-.054	.494	-.063
.163	.050	.416	-.029	.618	-.083	.599	-.091	.601	-.115	.594	-.081	.590	-.094
.162	.064	.565	-.026	.733	-.083	.700	-.141	.698	-.141	.693	-.128	.693	-.107
.209	-.024	.713	-.001	.835	-.088	.782	-.145	.780	-.164	.784	-.165	.777	-.150
.247	-.104	.854	-.013	.919	-.095	.864	-.157	.863	-.185	.856	-.176	.861	-.161
.276	-.157	.980	.004	.987	-.021	.926	-.132	.923	-.146	.926	-.149	.918	-.128
.324	-.157	1.074	.019			.975	-.030	.977	-.039	.977	-.036	.972	-.027
.361	-.085	1.122	.020										
.396	-.021												
.438	.017												
.487	.070												
.518	.091	-.658	-.051	-.022	-.433	.024	-.735	.025	-1.057	.019	-1.244	.020	-1.282
.556	.087	-.615	-.047	.038	-.462	.075	-.643	.074	-.716	.066	-.765	.076	-.794
.574	.062	-.572	-.097	.101	-.427	.137	-.483	.130	-.479	.136	-.515	.136	-.556
.593	.046	-.462	-.177	.185	-.337	.213	-.381	.214	-.401	.214	-.377	.221	-.355
.632	.030	-.329	-.166	.289	-.283	.297	-.334	.298	-.308	.489	-.185	.295	-.304
.670	.015	-.172	-.237	.398	-.228	.400	-.253	.397	-.270	.594	-.117	.396	-.206
.747	-.063	-.030	-.257	.519	-.202	.498	-.211	.501	-.214	.700	.039	.497	-.154
.766	-.109	.128	-.249	.620	-.100	.604	-.133	.603	-.143	.786	.107	.597	-.075
.785	-.164	.418	-.162	.737	.041	.705	.015	.703	.019	.858	.157	.702	.076
.804	-.177	.564	-.110	.831	.112	.785	.109	.784	.124	.919	.176	.786	.134
.823	-.158	.710	-.014	.914	.169	.859	.163	.868	.156	.967	.135	.864	.172
.842	-.117	.857	.109	.986	.105	.922	.161	.923	.176			.912	.183
.861	-.038	.976	.152	1.012	.088	.967	.123	.972	.145			.985	.085
.881	.015	1.072	.134			1.000	.059						
.900	.032	1.110	.075										
.938	.084												
CM =		-.0520		-.0993		-.1184		-.1419		-.1837		-.1792	
CM =		-.0391		-.0584		-.0720		-.0840		-.0953		-.0963	

~~CONFIDENTIAL~~

TABLE II-221 CONFIGURATION 136 M = 0.50 Q = 500 $\alpha = 0.030^\circ$ $C_L = 0.0495$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 .133						
.057 -.036						
.076 -.096						
.080 -.089	-.658 -.089	-.021 -.095	.023 -.194	.025 -.074	.022 -.069	.018 .137
.085 -.071	-.565 -.172	.035 -.257	.068 -.237	.079 -.266	.075 -.086	.077 -.053
.093 -.074	-.452 -.235	.105 -.251	.134 -.189	.133 -.150	.129 -.076	.129 -.069
.113 .008	-.311 -.262	.178 -.243	.209 -.188	.214 -.163	.201 -.103	.209 -.088
.115 .052	-.023 -.209	.286 -.236	.294 -.190	.295 -.135	.294 -.106	.293 -.085
.137 .019	.133 -.183	.396 -.194	.404 -.160	.407 -.136	.397 -.125	.396 -.097
.138 .053	.272 -.122	.514 -.142	.497 -.144	.502 -.161	.495 -.139	.494 -.121
.163 .001	.416 -.099	.618 -.151	.599 -.178	.601 -.171	.594 -.163	.590 -.121
.162 .008	.565 -.069	.733 -.152	.700 -.177	.698 -.207	.693 -.191	.693 -.152
.209 -.084	.713 -.046	.835 -.140	.782 -.214	.780 -.224	.784 -.218	.777 -.167
.247 -.182	.854 -.075	.919 -.118	.864 -.216	.863 -.221	.856 -.225	.861 -.185
.276 -.211	.980 -.054	.987 -.026	.926 -.166	.923 -.173	.926 -.184	.918 -.166
.324 -.202	1.074 -.030		.975 -.055	.977 -.074	.977 -.057	.972 -.050
.361 -.148	1.122 .005					
.396 -.086						
.438 -.043						
.487 .032						
.518 .050	-.658 .000	-.022 .020	.024 -.229	.025 -.372	.019 -.491	.020 -.417
.556 .060	-.615 -.017	.038 -.172	.075 -.308	.074 -.346	.066 -.436	.076 -.450
.574 .045	-.572 -.058	.101 -.248	.137 -.282	.130 -.282	.136 -.286	.136 -.339
.593 .014	-.462 -.114	.185 -.200	.213 -.258	.214 -.247	.214 -.224	.221 -.236
.632 .013	-.329 -.122	.289 -.195	.297 -.195	.298 -.187	.489 .133	.295 -.174
.670 -.002	-.172 -.170	.398 -.163	.400 -.190	.397 -.160	.594 -.099	.396 -.155
.747 -.068	-.030 -.200	.519 -.150	.498 -.148	.501 -.146	.700 .061	.497 -.117
.766 -.102	.128 -.174	.620 -.086	.604 -.118	.603 -.102	.786 .146	.597 -.035
.785 -.180	.418 -.135	.737 .045	.705 .016	.703 .041	.858 .210	.702 .083
.804 -.166	.564 -.077	.831 .143	.785 .131	.784 .159	.919 .221	.786 .176
.823 -.155	.710 .017	.914 .193	.859 .205	.868 .232	.967 .146	.864 .207
.842 -.122	.857 .117	.986 .125	.922 .220	.923 .227		.912 .221
.861 -.037	.976 .144	1.012 .059	.967 .129	.972 .141		.985 .064
.881 .005	1.072 .129		1.000 .047			
.900 .036	1.110 .081					
.938 .069						
CN =	.1228	.1086	.0897	.0840	.0424	.0190
CM =	.0066	-.0371	-.0565	-.0681	-.0775	-.0726

TABLE II-222 CONFIGURATION 136 M = 0.50 Q = 500 $\alpha = 1.15^\circ$ $C_L = 0.1551$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 .101						
.057 -.057						
.076 -.104						
.080 -.071	-.658 -.158	-.021 -.270	.023 -.396	.025 -.295	.022 -.146	.018 -.055
.085 -.083	-.565 -.233	.035 -.328	.068 -.441	.079 -.413	.075 -.204	.077 -.187
.093 -.102	-.452 -.262	.105 -.322	.134 -.301	.133 -.232	.129 -.183	.129 -.157
.113 .004	-.311 -.262	.178 -.297	.209 -.256	.214 -.210	.201 -.157	.209 -.155
.115 .052	-.023 -.259	.286 -.256	.294 -.218	.295 -.170	.294 -.144	.293 -.143
.137 -.013	.133 -.193	.396 -.232	.404 -.213	.407 -.186	.397 -.164	.396 -.132
.138 .035	.272 -.156	.514 -.176	.497 -.190	.502 -.183	.495 -.156	.494 -.149
.163 -.023	.416 -.131	.618 -.171	.599 -.198	.601 -.210	.594 -.180	.590 -.146
.162 .040	.565 -.108	.733 -.159	.700 -.203	.698 -.223	.693 -.216	.693 -.164
.209 -.094	.713 -.090	.835 -.132	.782 -.219	.780 -.251	.784 -.233	.777 -.188
.247 -.170	.854 -.065	.919 -.117	.864 -.214	.863 -.251	.856 -.243	.861 -.189
.276 -.216	.980 -.056	.987 -.024	.926 -.171	.923 -.186	.926 -.186	.918 -.166
.324 -.215	1.074 -.009		.975 -.054	.977 -.072	.977 -.061	.972 -.054
.361 -.136	1.122 .008					
.396 -.085						
.438 -.038						
.487 .034						
.518 .046	-.658 -.001	-.022 .157	.024 -.009	.025 -.161	.019 -.166	.020 -.105
.556 .055	-.615 -.002	.038 -.077	.075 -.195	.074 -.219	.066 -.313	.076 -.298
.574 .039	-.572 -.031	.101 -.165	.137 -.175	.130 -.191	.136 -.182	.136 -.263
.593 .022	-.462 -.074	.185 -.147	.213 -.172	.214 -.168	.214 -.140	.221 -.194
.632 .017	-.329 -.085	.289 -.132	.297 -.128	.298 -.116	.489 -.086	.295 -.152
.670 .003	-.172 -.180	.398 -.124	.400 -.145	.397 -.129	.594 -.066	.396 -.103
.747 -.069	-.030 -.161	.519 -.101	.498 -.111	.501 -.101	.700 .074	.497 -.086
.766 -.114	.128 -.147	.620 -.056	.604 -.087	.603 -.080	.786 -.173	.597 -.022
.785 -.179	.418 -.126	.737 .074	.705 .038	.703 .056	.858 .242	.702 .088
.804 -.184	.564 -.076	.831 .160	.785 .144	.784 .165	.919 .264	.786 .184
.823 -.162	.710 .039	.914 .197	.859 .223	.868 .239	.967 .154	.864 .231
.842 -.126	.857 .139	.986 .107	.922 .219	.923 .251		.912 .240
.861 -.046	.976 .180	1.012 .050	.967 .144	.972 .142		.985 .056
.881 -.001	1.072 .140		1.000 .046			
.900 .029	1.110 .083					
.938 .067						
CN =	.2043	.1907	.1952	.1839	.1506	.1122
CM =	.0287	-.0281	-.0459	-.0601	-.0689	-.0613

~~CONFIDENTIAL~~

TABLE II-223 CONFIGURATION 136 M = 0.50 Q = 500 $\alpha = 1.64^\circ$ $C_L = 0.2038$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.114												
.057	-.088												
.076	-.112												
.080	-.091	-.658	-.155	-.021	-.371	.023	-.548	.025	-.400	.022	-.249	.018	-.125
.085	-.085	-.565	-.254	.035	-.462	.068	-.471	.079	-.468	.075	-.262	.077	-.240
.093	-.074	-.452	-.297	.105	-.378	.134	-.334	.133	-.296	.129	-.215	.129	-.196
.113	.021	-.311	-.303	.178	-.340	.209	-.294	.214	-.252	.201	-.219	.209	-.167
.115	.048	-.023	-.258	.286	-.303	.294	-.260	.295	-.221	.294	-.187	.293	-.158
.137	-.005	.133	-.179	.396	-.250	.404	-.248	.407	-.201	.397	-.187	.396	-.164
.138	.022	.272	-.159	.514	-.191	.497	-.211	.502	-.203	.495	-.206	.494	-.167
.163	.002	.416	-.129	.618	-.177	.599	-.214	.601	-.219	.594	-.190	.590	-.160
.162	.021	.565	-.126	.733	-.185	.700	-.221	.698	-.239	.693	-.224	.693	-.188
.209	-.090	.713	-.072	.835	-.164	.782	-.222	.780	-.259	.784	-.245	.777	-.204
.247	-.189	.854	-.086	.919	-.131	.864	-.210	.863	-.250	.856	-.256	.861	-.193
.276	-.239	.980	-.045	.987	-.026	.926	-.168	.923	-.195	.926	-.210	.918	-.162
.324	-.219	1.074	-.023			.975	-.059	.977	-.065	.977	-.074	.972	-.054
.361	-.173	1.122	.010										
.396	-.121												
.438	-.056												
.487	.013												
.518	.047	-.658	.030	-.022	.221	.024	-.086	.025	-.027	.019	-.094	.020	-.008
.556	.048	-.615	.000	.038	-.055	.075	-.134	.074	-.153	.066	-.165	.076	-.224
.574	.037	-.572	-.015	.101	-.114	.137	-.144	.130	-.150	.136	-.121	.136	-.204
.593	.009	-.462	-.074	.185	-.143	.213	-.150	.214	-.142	.214	-.135	.221	-.161
.632	-.002	-.329	-.078	.289	-.103	.297	-.124	.298	-.105	.489	-.102	.295	-.128
.670	-.010	-.172	-.120	.398	-.135	.400	-.120	.397	-.102	.594	-.056	.396	-.100
.747	-.070	-.030	-.128	.519	-.083	.498	-.103	.501	-.091	.700	.075	.497	-.095
.766	-.113	.128	-.134	.620	-.066	.604	-.076	.603	-.071	.786	.181	.597	-.026
.785	-.170	.418	-.119	.737	.059	.705	.049	.703	.062	.858	.228	.702	.088
.804	-.173	.564	-.052	.831	.157	.785	.152	.784	.172	.919	.250	.786	.184
.823	-.167	.710	.045	.914	.211	.859	.216	.868	.243	.967	.145	.864	.232
.842	-.131	.857	.154	.986	.129	.922	.233	.923	.251			.912	.245
.861	-.052	.976	.177	1.012	.051	.967	.137	.972	.152			.985	.053
.881	-.013	1.072	.141			1.000	.047						
.900	.021	1.110	.085										
.938	.067												
CN =		.2479		.2400		.2405		.2344		.1967		.1505	
CM =		.0466		-.0234		-.0413		-.0545		-.0629		-.0566	

TABLE II-224 CONFIGURATION 136 M = 0.50 Q = 500 $\alpha = 2.73^\circ$ $C_L = 0.3020$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.103												
.057	-.060												
.076	-.116												
.080	-.086	-.658	-.177	-.021	-.550	.023	-.839	.025	-.622	.022	-.513	.018	-.425
.085	-.092	-.565	-.268	.035	-.574	.068	-.696	.079	-.619	.075	-.441	.077	-.386
.093	-.091	-.452	-.320	.105	-.462	.134	-.392	.133	-.384	.129	-.315	.129	-.300
.113	.004	-.311	-.315	.178	-.411	.209	-.338	.214	-.317	.201	-.285	.209	-.225
.115	.053	-.023	-.283	.286	-.337	.294	-.307	.295	-.274	.294	-.240	.293	-.191
.137	-.007	.133	-.218	.396	-.284	.404	-.254	.407	-.247	.397	-.235	.396	-.178
.138	.025	.272	-.170	.514	-.242	.497	-.238	.502	-.238	.495	-.215	.494	-.170
.163	-.036	.416	-.140	.618	-.204	.599	-.241	.601	-.250	.594	-.217	.590	-.180
.162	.022	.565	-.130	.733	-.202	.700	-.233	.698	-.254	.693	-.250	.693	-.198
.209	-.120	.713	-.104	.835	-.164	.782	-.222	.780	-.271	.784	-.267	.777	-.210
.247	-.208	.854	-.083	.919	-.110	.864	-.224	.863	-.262	.856	-.273	.861	-.196
.276	-.240	.980	-.074	.987	-.037	.926	-.157	.923	-.188	.926	-.202	.918	-.171
.324	-.241	1.074	-.031			.975	-.061	.977	-.072	.977	-.062	.972	-.051
.361	-.164	1.122	-.003										
.396	-.112												
.438	-.063												
.487	.019												
.518	.049	-.658	.060	-.022	.313	.024	.214	.025	.125	.019	.158	.020	.146
.556	.036	-.615	.055	.038	.059	.075	.022	.074	-.034	.066	-.055	.076	-.129
.574	.032	-.572	.024	.101	-.041	.137	-.054	.130	-.072	.136	-.049	.136	-.137
.593	.002	-.462	-.025	.185	-.061	.213	-.063	.214	-.054	.214	-.059	.221	-.094
.632	.005	-.329	-.051	.289	-.057	.297	-.057	.298	-.064	.489	-.043	.295	-.075
.670	.003	-.172	-.110	.398	-.098	.400	-.083	.397	-.071	.594	-.031	.396	-.070
.747	-.072	-.030	-.096	.519	-.067	.498	-.066	.501	-.049	.700	.081	.497	-.047
.766	-.123	.128	-.090	.620	-.050	.604	-.045	.603	-.049	.786	.181	.597	-.007
.785	-.179	.418	-.086	.737	.076	.705	.053	.703	.085	.858	.234	.702	.094
.804	-.173	.564	-.038	.831	.177	.785	.167	.784	.189	.919	.258	.786	.184
.823	-.157	.710	.060	.914	.203	.859	.216	.868	.254	.967	.154	.864	.241
.842	-.122	.857	.155	.986	.107	.922	.225	.923	.261			.912	.235
.861	-.060	.976	.190	1.012	.042	.967	.126	.972	.144			.985	.055
.881	-.008	1.072	.148			1.000	.024						
.900	.020	1.110	.084										
.938	.068												
CN =		.3262		.3238		.3316		.3288		.2999		.2313	
CM =		.0677		-.0120		-.0281		-.0457		-.0512		-.0442	

~~CONFIDENTIAL~~

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

TABLE II-225 CONFIGURATION 136 M = 0.50 Q = 500 $\alpha = 3.87^\circ$ $C_L = 0.4047$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.076												
.057	-.100												
.076	-.121												
.080	-.096	-.658	-.252	-.021	-.868	.023	-1.133	.025	-.928	.022	-.814	.018	-.715
.085	-.111	-.565	-.336	.035	-.757	.068	-.765	.079	-.797	.075	-.632	.077	-.501
.093	-.108	-.452	-.348	.105	-.556	.134	-.535	.133	-.482	.129	-.447	.129	-.374
.113	-.007	-.311	-.360	.178	-.485	.209	-.419	.214	-.378	.201	-.388	.209	-.300
.115	.037	-.023	-.318	.266	-.408	.294	-.387	.295	-.337	.294	-.302	.293	-.244
.137	-.028	.133	-.239	.396	-.346	.404	-.329	.407	-.298	.397	-.277	.396	-.231
.138	.002	.272	-.206	.514	-.279	.497	-.285	.502	-.269	.495	-.274	.494	-.210
.163	-.042	.416	-.171	.618	-.214	.599	-.276	.601	-.283	.594	-.264	.590	-.207
.162	-.014	.565	-.151	.733	-.196	.700	-.271	.698	-.283	.693	-.286	.693	-.226
.209	-.163	.713	-.110	.835	-.169	.782	-.253	.780	-.284	.784	-.285	.777	-.238
.247	-.253	.854	-.120	.919	-.094	.864	-.236	.863	-.261	.856	-.279	.861	-.226
.276	-.294	.980	-.089	.987	-.012	.926	-.144	.923	-.191	.926	-.209	.918	-.192
.324	-.257	1.074	-.043			.975	-.053	.977	-.066	.977	-.057	.972	-.055
.361	-.202	1.122	-.021										
.396	-.143												
.438	-.076												
.487	-.003												
LOWER SURFACE													
.518	.018	-.658	.042	-.022	.337	.024	.323	.025	.256	.019	.291	.020	.310
.556	.023	-.615	.037	.038	.118	.075	.113	.074	.054	.066	.082	.076	.005
.574	.023	-.572	.053	.101	.048	.137	-.008	.130	.006	.136	.015	.136	-.036
.593	.005	-.462	-.006	.185	-.004	.213	-.013	.214	-.010	.214	-.016	.221	-.059
.632	-.004	-.329	-.025	.289	-.031	.297	-.027	.298	-.018	.489	-.038	.295	-.039
.670	-.003	-.172	-.093	.398	-.062	.400	-.065	.397	-.035	.594	-.028	.396	-.059
.747	-.073	-.030	-.083	.519	-.028	.498	-.053	.501	-.026	.700	.084	.497	-.043
.766	-.112	.128	-.088	.620	.000	.604	-.034	.603	-.031	.786	.189	.597	-.006
.785	-.185	.418	-.053	.737	.090	.705	.060	.703	.089	.858	.254	.702	.083
.804	-.173	.564	-.007	.831	.203	.785	.182	.784	.198	.919	.257	.786	.168
.823	-.171	.710	.079	.914	.225	.859	.236	.868	.269	.967	.163	.864	.225
.842	-.131	.857	.163	.986	.126	.922	.240	.923	.260			.912	.226
.861	-.064	.976	.185	1.012	.040	.967	.132	.972	.142			.985	.051
.881	-.026	1.072	.138			1.000	.023						
.900	.006	1.110	.081										
.938	.054												
CN =		.4089		.4206		.4238		.4218		.3982		.3147	
CM =		.0907		-.0007		-.0212		-.0350		-.0397		-.0323	

TABLE II-226 CONFIGURATION 136 M = 0.50 Q = 500 $\alpha = 4.40^\circ$ $C_L = 0.4492$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.061												
.057	-.084												
.076	-.139												
.080	-.089	-.658	-.296	-.021	-1.100	.023	-1.262	.025	-1.025	.022	-.952	.018	-.910
.085	-.116	-.565	-.354	.035	-.834	.068	-.813	.079	-.909	.075	-.625	.077	-.592
.093	-.097	-.452	-.406	.105	-.627	.134	-.627	.133	-.561	.129	-.520	.129	-.415
.113	-.006	-.311	-.367	.178	-.522	.209	-.485	.214	-.435	.201	-.414	.209	-.350
.115	.058	-.023	-.321	.286	-.458	.294	-.387	.295	-.366	.294	-.328	.293	-.285
.137	-.033	.133	-.243	.396	-.376	.404	-.346	.407	-.316	.397	-.285	.396	-.232
.138	-.000	.272	-.189	.514	-.287	.497	-.306	.502	-.284	.495	-.296	.494	-.234
.163	-.058	.416	-.169	.618	-.256	.599	-.292	.601	-.286	.594	-.271	.590	-.224
.162	-.011	.565	-.165	.733	-.218	.700	-.271	.698	-.276	.693	-.282	.693	-.231
.209	-.149	.713	-.129	.835	-.166	.782	-.255	.780	-.287	.784	-.306	.777	-.239
.247	-.258	.854	-.105	.919	-.111	.864	-.217	.863	-.252	.856	-.276	.861	-.221
.276	-.290	.980	-.093	.987	-.022	.926	-.144	.923	-.166	.926	-.193	.918	-.177
.324	-.291	1.074	-.059			.975	-.042	.977	-.062	.977	-.053	.972	-.057
.361	-.218	1.122	-.008										
.396	-.159												
.438	-.091												
.487	-.024												
LOWER SURFACE													
.518	.009	-.658	.039	-.022	.354	.024	.379	.025	.372	.019	.340	.020	.375
.556	.025	-.615	.066	.038	.152	.075	.146	.074	.109	.066	.120	.076	.029
.574	.010	-.572	.058	.101	.076	.137	.075	.130	.051	.136	.027	.136	-.017
.593	-.005	-.462	.015	.185	.009	.213	.023	.214	.018	.214	.013	.221	-.043
.632	.001	-.329	-.007	.289	-.016	.297	-.025	.298	.011	.489	-.035	.295	-.041
.670	-.010	-.172	-.050	.398	-.035	.400	-.043	.397	-.006	.594	-.016	.396	-.025
.747	-.079	-.030	-.057	.519	-.040	.498	-.024	.501	-.013	.700	.096	.497	-.031
.766	-.127	.128	-.026	.620	-.015	.604	-.017	.603	-.009	.786	.174	.597	-.014
.785	-.187	.418	-.054	.737	.089	.705	.085	.703	.106	.858	.245	.702	.088
.804	-.181	.564	.004	.831	.192	.785	.187	.784	.194	.919	.260	.786	.174
.823	-.169	.710	.093	.914	.213	.859	.246	.868	.263	.967	.145	.864	.230
.842	-.139	.857	.177	.986	.111	.922	.248	.923	.270			.912	.238
.861	-.075	.976	.189	1.012	.041	.967	.133	.972	.140			.985	.043
.881	-.029	1.072	.153			1.000	.027						
.900	.004	1.110	.078										
.938	.053												
CN =		.4617		.4685		.4721		.4710		.4280		.3555	
CM =		.1111		.0074		-.0158		-.0262		-.0337		-.0258	

~~CONFIDENTIAL~~

CONFIDENTIAL

TABLE II-227

CONFIGURATION 136

M = 0.50

Q = 500

 $\alpha = 5.49^\circ$ $C_L = 0.5394$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 .056						
.057 -.122						
.076 -.127						
.080 -.096	-.658 -.333	-.021 -1.281	.023 -1.553	.025 -1.409	.022 -1.340	.018 -1.212
.085 -.120	-.565 -.409	.035 -.933	.068 -1.005	.079 -1.055	.075 -.739	.077 -.689
.093 -.113	-.452 -.399	.105 -.715	.134 -.653	.133 -.658	.129 -.580	.129 -.525
.113 -.023	-.311 -.398	.178 -.581	.209 -.520	.214 -.485	.201 -.488	.209 -.377
.115 -.026	-.023 -.361	.286 -.495	.294 -.432	.295 -.407	.294 -.372	.293 -.315
.137 -.031	.133 -.294	.396 -.400	.404 -.368	.407 -.358	.397 -.331	.396 -.254
.138 -.001	.272 -.233	.514 -.304	.497 -.338	.502 -.328	.495 -.321	.494 -.237
.163 -.037	.416 -.201	.618 -.260	.599 -.296	.601 -.301	.594 -.292	.590 -.239
.162 -.010	.565 -.176	.733 -.217	.700 -.293	.698 -.306	.693 -.296	.693 -.234
.209 -.152	.713 -.131	.835 -.157	.782 -.259	.780 -.295	.784 -.292	.777 -.251
.247 -.232	.854 -.121	.919 -.101	.864 -.221	.863 -.247	.856 -.271	.861 -.224
.276 -.297	.980 -.086	.987 -.019	.926 -.141	.923 -.168	.926 -.184	.918 -.187
.324 -.267	1.074 -.039		.975 -.034	.977 -.049	.977 -.049	.972 -.057
.361 -.210	1.122 -.009					
.396 -.155						
.438 -.100						
.487 -.026						
.518 .008	-.658 .047	-.022 .372	.024 .448	.025 .453	.019 .477	.020 .436
.556 .024	-.615 .062	.038 .222	.075 .230	.074 .210	.066 .238	.076 .146
.574 .015	-.572 .076	.101 .127	.137 .127	.130 .114	.136 .123	.136 .038
.593 -.000	-.462 .040	.185 .062	.213 .075	.214 .085	.214 .073	.221 .026
.632 .001	-.329 .015	.289 .012	.297 .020	.298 .044	.489 -.006	.295 .001
.670 -.012	-.172 -.039	.398 .011	.400 -.005	.397 .028	.594 .002	.396 .000
.747 -.076	-.030 -.056	.519 -.014	.498 .012	.501 .008	.700 .103	.497 -.003
.766 -.122	.128 -.042	.620 .000	.604 -.006	.603 .008	.786 .185	.597 .000
.785 -.180	.418 -.020	.737 .101	.705 .085	.703 .100	.858 .249	.702 .096
.804 -.175	.564 .025	.831 .194	.785 .182	.784 .204	.919 .264	.786 .163
.823 -.164	.710 .103	.914 .218	.859 .250	.868 .269	.967 .142	.864 .221
.842 -.129	.857 .202	.986 .120	.922 .245	.923 .269		.912 .224
.861 -.073	.976 .219	1.012 .028	.967 .137	.972 .143		.985 .025
.881 -.028	1.072 .158		1.000 .011			
.900 -.001	1.110 .097					
.938 .048						
CN =	.5305	.5285	.5391	.5567	.5159	.4210
CM =	.1270	.0171	-.0055	-.0140	-.0196	-.0138

TABLE II-228

CONFIGURATION 136

M = 0.50

Q = 500

 $\alpha = 7.68^\circ$ $C_L = 0.7202$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 .035						
.057 -.133						
.076 -.181						
.080 -.124	-.658 -.463	-.021 -2.316	.023 -2.702	.025 -1.797	.022 -1.017	.018 -1.551
.085 -.164	-.565 -.490	.035 -1.326	.068 -1.341	.079 -1.389	.075 -.927	.077 -.919
.093 -.135	-.452 -.526	.105 -.891	.134 -.877	.133 -1.180	.129 -1.092	.129 -.749
.113 -.021	-.311 -.511	.178 -.746	.209 -.654	.214 -.797	.201 -.847	.209 -.607
.115 -.023	-.023 -.440	.286 -.586	.294 -.533	.295 -.799	.294 -.512	.293 -.442
.137 -.045	.133 -.324	.396 -.469	.404 -.450	.407 -.522	.397 -.445	.396 -.339
.138 -.006	.272 -.254	.514 -.350	.497 -.358	.502 -.383	.495 -.367	.494 -.316
.163 -.075	.416 -.225	.618 -.293	.599 -.315	.601 -.332	.594 -.316	.590 -.255
.162 -.055	.565 -.188	.733 -.207	.700 -.283	.698 -.297	.693 -.280	.693 -.208
.209 -.207	.713 -.149	.835 -.141	.782 -.232	.780 -.264	.784 -.237	.777 -.192
.247 -.300	.854 -.156	.919 -.076	.864 -.180	.863 -.210	.856 -.228	.861 -.167
.276 -.335	.980 -.120	.987 -.011	.926 -.114	.923 -.151	.926 -.152	.918 -.139
.324 -.327	1.074 -.066		.975 -.047	.977 -.074	.977 -.069	.972 -.080
.361 -.260	1.122 -.031					
.396 -.189						
.438 -.144						
.487 -.038						
.518 -.000	-.658 .057	-.022 .331	.024 .503	.025 .519	.019 .532	.020 .533
.556 .017	-.615 .095	.038 .315	.075 .357	.074 .353	.066 .344	.076 .287
.574 .008	-.572 .096	.101 .230	.137 .234	.130 .237	.136 .228	.136 .164
.593 .001	-.462 .073	.185 .149	.213 .164	.214 .164	.214 .145	.221 .100
.632 -.001	-.329 .042	.289 .105	.297 .119	.298 .101	.489 .051	.295 .067
.670 -.007	-.172 .003	.398 .066	.400 .070	.397 .074	.594 .032	.396 .033
.747 -.075	-.030 .004	.519 .040	.498 .045	.501 .050	.700 .113	.497 .007
.766 -.122	.128 .041	.620 .061	.604 .042	.603 .043	.786 .187	.597 .027
.785 -.188	.418 .043	.737 .130	.705 .108	.703 .128	.858 .261	.702 .102
.804 -.177	.564 .072	.831 .212	.785 .188	.784 .218	.919 .269	.786 .164
.823 -.170	.710 .139	.914 .239	.859 .248	.868 .275	.967 .127	.864 .215
.842 -.154	.857 .220	.986 .107	.922 .241	.923 .254		.912 .213
.861 -.080	.976 .224	1.012 -.008	.967 .117	.972 .106		.985 -.007
.881 -.048	1.072 .166		1.000 -.012			
.900 -.010	1.110 .089					
.938 .046						
CN =	.7048	.7071	.7045	.7580	.6378	.5390
CM =	.1843	.0489	.0278	.0150	-.0037	.0127

CONFIDENTIAL

~~CONFIDENTIAL~~

TABLE II-229 CONFIGURATION 136 M = 0.50 Q = 500 $\alpha = 9.87^\circ$ $C_L = 0.8658$ $\beta = 0^\circ$									
STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933			
X/C	X/C	X/C	X/C	X/C	X/C	X/C	CP	CP	CP
.019	.014								
.057	-.150								
.076	-.184								
.080	-.135	-.658	-.610	-.021	-3.315	.023	-1.895	.025	-.894
.085	-.156	-.565	-.612	.035	-1.780	.068	-1.794	.079	-.886
.093	-.126	-.452	-.618	.105	-1.169	.134	-1.815	.133	-.885
.113	-.041	-.311	-.598	.178	-.897	.209	-1.635	.214	-.803
.115	-.004	-.023	-.484	.286	-.710	.294	-1.371	.295	-.835
.137	-.081	.133	-.385	.396	-.548	.404	-.534	.407	-.743
.138	-.040	.272	-.336	.514	-.410	.497	-.257	.502	-.765
.163	-.090	.416	-.308	.618	-.312	.599	-.202	.601	-.708
.162	-.064	.565	-.250	.733	-.243	.700	-.237	.698	-.642
.209	-.230	.713	-.200	.835	-.167	.782	-.180	.780	-.580
.247	-.338	.854	-.161	.919	-.105	.864	-.157	.863	-.518
.276	-.355	.980	-.129	.987	-.067	.926	-.105	.923	-.446
.324	-.345	1.074	-.083			.975	-.047	.977	-.441
.361	-.268	1.122	-.032						
.396	-.223								
.438	-.158								
.487	-.055								
.518	-.018	-.658	.028	-.022	.225	.024	.525	.025	.554
.556	.009	-.615	.104	.038	.394	.075	.421	.074	.402
.574	.003	-.572	.130	.101	.314	.137	.286	.130	.288
.593	-.013	-.462	.123	.185	.255	.213	.217	.214	.188
.632	-.006	-.329	.096	.289	.184	.297	.173	.298	.143
.670	-.013	-.172	.075	.398	.128	.400	.099	.397	.072
.747	-.079	-.030	.058	.519	.091	.498	.076	.501	.045
.766	-.127	.128	.080	.620	.083	.604	.060	.603	.000
.785	-.189	.418	.080	.737	.147	.705	.112	.703	.053
.804	-.188	.564	.111	.831	.223	.785	.186	.784	.129
.823	-.183	.710	.176	.914	.234	.859	.246	.868	.195
.842	-.167	.857	.254	.986	.079	.922	.244	.923	.161
.861	-.104	.976	.244	1.012	-.073	.967	.130	.972	-.043
.881	-.065	1.072	.189			1.000	-.008		
.900	-.029	1.110	.102						
.938	.027								
CN =		.8894		.8994		.9222		.8547	
CM =		.2389		.0768		.0623		-.0625	

TABLE II-230 CONFIGURATION 136 M = 0.50 Q = 500 $\alpha = 12.09^\circ$ $C_L = 0.8901$ $\beta = 0^\circ$									
STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933			
X/C	X/C	X/C	X/C	X/C	X/C	X/C	CP	CP	CP
.019	-.007								
.057	-.171								
.076	-.192								
.080	-.141	-.658	-.783	-.021	-2.848	.023	-1.167	.025	-.621
.085	-.174	-.565	-.725	.035	-2.717	.068	-1.127	.079	-.645
.093	-.145	-.452	-.735	.105	-2.601	.134	-1.054	.133	-.601
.113	-.056	-.311	-.665	.178	-1.835	.209	-1.009	.214	-.618
.115	-.009	-.023	-.546	.286	-.462	.294	-1.004	.295	-.575
.137	-.070	.133	-.462	.396	-.520	.404	-.990	.407	-.568
.138	-.057	.272	-.392	.514	-.401	.497	-1.021	.502	-.542
.163	-.090	.416	-.344	.618	-.312	.599	-.989	.601	-.536
.162	-.115	.565	-.314	.733	-.232	.700	-.900	.698	-.522
.209	-.235	.713	-.240	.835	-.154	.782	-.831	.780	-.513
.247	-.331	.854	-.226	.919	-.097	.864	-.748	.863	-.529
.276	-.361	.980	-.153	.987	-.056	.926	-.666	.923	-.481
.324	-.353	1.074	-.091			.975	-.640	.977	-.465
.361	-.301	1.122	-.034						
.396	-.249								
.438	-.193								
.487	-.074								
.518	-.040	-.658	-.006	-.022	.117	.024	.528	.025	.560
.556	-.014	-.615	.094	.038	.440	.075	.479	.074	.430
.574	-.013	-.572	.152	.101	.381	.137	.362	.130	.301
.593	-.029	-.462	.164	.185	.308	.213	.267	.214	.221
.632	-.019	-.329	.150	.289	.243	.297	.213	.298	.162
.670	-.028	-.172	.117	.398	.180	.400	.142	.397	.088
.747	-.089	-.030	.120	.519	.134	.498	.100	.501	.026
.766	-.136	.128	.128	.620	.110	.604	.053	.603	-.019
.785	-.194	.418	.139	.737	.161	.705	.080	.703	.039
.804	-.193	.564	.155	.831	.228	.785	.154	.784	.114
.823	-.194	.710	.211	.914	.247	.859	.189	.868	.168
.842	-.173	.857	.284	.986	.084	.922	.135	.923	.135
.861	-.119	.976	.282	1.012	-.044	.967	-.047	.972	-.112
.881	-.079	1.072	.214			1.000	-.343		
.900	-.035	1.110	.122						
.938	.010								
CN =		1.0800		1.1193		1.1276		.6948	
CM =		.2855		.1251		-.0992		-.0590	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-231 CONFIGURATION 136 M = 0.50 Q = 500 $\alpha = 14.28^\circ$ $C_L = 1.1209$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.019												
.057	.190												
.076	.201												
.080	.159	-.658	-.990	-.021	-2.553	.023	-1.010	.025	-.546	.022	-.418	.018	-.347
.085	.180	-.565	-.853	.035	-2.273	.058	-1.008	.079	-.551	.075	-.407	.077	-.338
.093	.140	-.452	-.835	.105	-2.248	.134	-.978	.133	-.550	.129	-.393	.129	-.349
.113	-.048	-.311	-.745	.178	-2.138	.209	-.929	.214	-.553	.201	-.410	.209	-.364
.115	-.026	-.023	-.602	.286	-1.764	.294	-.906	.295	-.532	.294	-.400	.293	-.328
.137	-.091	.133	-.506	.396	-1.319	.404	-.922	.407	-.503	.397	-.390	.396	-.348
.138	-.096	.272	-.459	.514	-.991	.497	-.861	.502	-.527	.495	-.380	.494	-.337
.163	-.118	.416	-.421	.618	-.517	.599	-.893	.601	-.538	.594	-.395	.590	-.319
.162	-.146	.565	-.357	.733	-.390	.700	-.884	.698	-.518	.693	-.378	.693	-.319
.209	-.275	.713	-.292	.835	-.201	.782	-.859	.780	-.485	.784	-.395	.777	-.319
.247	-.358	.854	-.255	.919	-.187	.864	-.748	.863	-.509	.856	-.377	.861	-.315
.276	-.393	.980	-.188	.987	-.107	.926	-.732	.923	-.474	.926	-.377	.918	-.291
.324	-.376	1.074	-.104			.975	-.727	.977	-.463	.977	-.357	.972	-.292
.361	-.335	1.122	-.053										
.396	-.283												
.438	-.200												
.487	-.091												
.518	-.063	-.658	-.042	-.022	.059	.024	.508	.025	.547	.019	.541	.020	.520
.556	-.041	-.615	.088	.038	.466	.075	.481	.074	.478	.066	.441	.076	.343
.574	-.047	-.572	.172	.101	.436	.137	.391	.130	.369	.136	.336	.136	.208
.593	-.049	-.462	.193	.185	.361	.213	.293	.214	.268	.214	.238	.221	.130
.632	-.038	-.329	.197	.289	.287	.297	.231	.298	.215	.489	.046	.295	.078
.670	-.038	-.172	.202	.398	.214	.400	.161	.397	.142	.594	-.010	.396	.047
.747	-.102	-.030	.174	.519	.154	.498	.092	.501	.073	.700	.053	.497	.015
.766	-.140	.128	.185	.620	.130	.604	.033	.603	.023	.786	.110	.597	-.024
.785	-.205	.418	.182	.737	.159	.705	.053	.703	.069	.858	.182	.702	.026
.804	-.206	.564	.186	.831	.219	.785	.124	.784	.146	.919	.166	.786	.076
.823	-.197	.710	.244	.914	.203	.859	.167	.868	.184	.967	-.056	.864	.129
.842	-.197	.857	.301	.986	.004	.922	.129	.923	.165			.912	.120
.861	-.139	.976	.284	1.012	-.202	.967	-.112	.972	-.064			.985	-.220
.881	-.107	1.072	.209			1.000	-.445						
.900	-.068	1.110	.117										
.938	-.009												
CN =		1.2620		1.4437		1.0631		.7012		.5449		.4199	
CM =		.3428		.0892		-.1003		-.0656		-.0454		-.0300	

TABLE II-232 CONFIGURATION 138 M = 0.50 Q = 500 $\alpha = 9.49^\circ$ $C_L = 0.8388$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.061												
.057	.119												
.076	.176												
.080	.079	-.653	-.503	-.021	-3.116	.023	-1.444	.025	-.686	.022	-1.653	.018	-.735
.085	.119	-.565	-.615	.035	-1.564	.058	-1.402	.075	-.692	.075	-1.424	.077	-.730
.093	.062	-.452	-.590	.105	-1.105	.134	-1.355	.133	-.690	.129	-1.085	.129	-.757
.113	-.051	-.311	-.524	.178	-.855	.209	-1.280	.214	-.653	.201	-.929	.209	-.711
.115	-.036	-.023	-.433	.286	-.641	.294	-1.144	.295	-.633	.294	-.820	.293	-.697
.137	-.066	.133	-.348	.396	-.522	.404	-.990	.407	-.541	.397	-.467	.396	-.587
.138	-.054	.272	-.292	.514	-.382	.497	-.892	.502	-.517	.495	-.300	.494	-.486
.163	-.091	.416	-.252	.618	-.301	.599	-.468	.601	-.438	.594	-.355	.590	-.419
.162	-.067	.565	-.214	.733	-.232	.700	-.322	.698	-.427	.693	-.246	.693	-.336
.209	-.228	.713	-.178	.835	-.138	.782	-.279	.780	-.355	.784	-.234	.777	-.300
.247	-.316	.854	-.169	.919	-.091	.864	-.200	.863	-.338	.856	-.204	.861	-.234
.276	-.315	.980	-.104	.987	-.059	.926	-.163	.923	-.309	.926	-.162	.918	-.183
.324	-.295	1.074	-.056			.975	-.073	.977	-.268	.977	-.155	.972	-.162
.361	-.259	1.122	-.028										
.396	-.213												
.438	-.148												
.487	-.033												
.518	-.012	-.658	-.049	-.022	.779	.024	.559	.025	.509	.019	.544	.020	.536
.556	.070	-.615	.130	.038	.378	.075	.430	.074	.387	.066	.374	.076	.337
.574	.008	-.572	.126	.101	.307	.137	.314	.130	.237	.136	.278	.136	.265
.593	-.011	-.462	.124	.185	.237	.213	.235	.214	.203	.214	.205	.221	.118
.670	-.002	-.329	.094	.289	.173	.297	.164	.298	.156	.489	.121	.295	.098
.708	-.023	-.172	.068	.519	.092	.400	.118	.397	.111	.594	.085	.396	.050
.747	-.066	-.030	.053	.620	.084	.498	.067	.501	.064	.700	.030	.497	.015
.785	-.180	.128	.077	.737	.175	.604	.037	.603	.027	.786	.111	.597	.003
.804	-.167	.418	.102	.831	.237	.705	.121	.703	.107	.858	.184	.702	.093
.823	-.171	.564	.112	.914	.244	.785	.208	.784	.180	.919	.245	.786	.149
.861	-.098	.710	.167	.986	.094	.859	.263	.868	.229			.864	.161
.900	-.023	.857	.266	1.012	-.039	.967	.136	.923	.200			.912	.190
.938	.018	.976	.270			1.000	-.012	.972	.036			.985	-.038
		1.072	.185										
		1.110	.114										
CN =		.8277		.8529		.9521		.6756		.7438		.6156	
CM =		.2169		.0682		.0114		-.0422		.0183		-.0165	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-233 CONFIGURATION 138 M = 0.50 Q = 500 $\alpha = 11.83^\circ$ $C_L = 0.9793$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
UPPER SURFACE						
.019	.035					
.057	-.169					
.076	-.190					
.080	-.107	-.658	-.651	.023	-.582	.018
.085	-.149	-.565	-.795	.068	-.586	.077
.093	-.399	-.452	-.728	.134	-.558	.129
.113	-.067	-.311	-.643	.209	-.547	.209
.115	-.092	-.023	-.519	.294	-.542	.293
.137	-.101	.133	-.423	.404	-.532	.396
.138	-.096	.272	-.403	.497	-.491	.494
.163	-.142	.416	-.354	.599	-.486	.590
.162	-.121	.565	-.276	.700	-.478	.693
.209	-.272	.713	-.255	.782	-.468	.777
.247	-.340	.854	-.202	.864	-.470	.861
.276	-.353	.980	-.133	.926	-.457	.918
.324	-.344	1.074	-.087	.975	-.437	.972
.361	-.293	1.172	-.020			
.396	-.243					
.438	-.177					
.487	-.046					
.518	-.043	-.658	.013	.024	.534	.025
.556	.000	-.615	.096	.075	.452	.074
.574	-.006	-.572	.148	.101	.347	.130
.593	-.029	-.462	.176	.185	.258	.214
.670	-.008	-.329	.146	.289	.196	.223
.708	-.031	-.172	.113	.519	.140	.292
.747	-.077	-.030	.110	.620	.057	.489
.785	-.193	.128	.112	.737	.176	.594
.804	-.185	.419	.143	.831	.245	.700
.823	-.177	.564	.147	.914	.233	.786
.861	-.099	.710	.213	.986	.077	.858
.900	-.035	.857	.302	1.012	-.085	.919
.938	.014	.075	.280	1.000	-.470	.912
		1.072	.202			.985
		1.110	.124			
CN =		1.0546		1.1054		.6683
CM =		.2810		.1272		-.0824
						-.0629
						.5569
						-.0597
						.4369
						-.0335

TABLE II-234 CONFIGURATION 138 M = 0.50 Q = 500 $\alpha = 14.12^\circ$ $C_L = 1.1123$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
UPPER SURFACE						
.019	-.017					
.057	-.186					
.076	-.197					
.080	-.117	-.654	-.900	.023	-.539	.022
.085	-.195	-.565	-.970	.068	-.516	.075
.093	-.113	-.452	-.842	.134	-.526	.129
.113	-.076	-.311	-.704	.209	-.519	.201
.115	-.134	-.023	-.578	.294	-.476	.294
.137	-.101	.133	-.507	.404	-.475	.407
.138	-.112	.272	-.497	.497	-.502	.491
.163	-.132	.416	-.410	.599	-.487	.594
.162	-.126	.565	-.351	.700	-.488	.693
.209	-.274	.713	-.279	.782	-.488	.784
.247	-.356	.854	-.225	.864	-.468	.856
.276	-.348	.980	-.168	.926	-.439	.926
.324	-.359	1.074	-.081	.975	-.415	.977
.361	-.335	1.122	-.037			
.396	-.258					
.438	-.221					
.487	-.073					
.518	-.060	-.654	-.065	.024	.546	.025
.556	-.047	-.615	.082	.075	.494	.074
.574	-.032	-.572	.170	.101	.377	.130
.593	-.058	-.462	.221	.185	.304	.214
.670	-.037	-.329	.207	.289	.218	.298
.708	-.050	-.172	.173	.519	.165	.397
.747	-.096	-.030	.183	.620	.131	.501
.785	-.207	.128	.170	.737	.178	.603
.804	-.208	.418	.201	.831	.238	.705
.823	-.210	.564	.200	.914	.234	.785
.861	-.139	.710	.245	.986	.021	.859
.900	-.067	.857	.332	1.012	-.114	.967
.938	-.012	.075	.317	1.000	-.620	.972
		1.072	.276			
		1.110	.124			
CN =		1.2513		1.4273		1.0183
CM =		.3324		.0780		-.0826
						-.0633
						.5665
						-.0581
						.4528
						-.0305

~~CONFIDENTIAL~~

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

TABLE II-235 CONFIGURATION 138 M = 0.50 Q = 500 $\alpha = 16.35^\circ$ $C_L = 1.2156$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 -.010						
.057 -.178						
.076 -.215						
.080 -.154	-.658 -.977	-.021 -1.966	.023 -.893	.025 -.480	.022 -.408	.018 -.354
.085 -.139	-.565 -1.056	.035 -1.905	.068 -.883	.079 -.482	.075 -.390	.077 -.345
.093 -.164	-.452 -.944	.105 -1.814	.134 -.932	.133 -.455	.129 -.384	.129 -.340
.113 -.094	-.311 -.800	.178 -1.747	.209 -.845	.214 -.455	.201 -.402	.209 -.356
.115 -.131	-.023 -.697	.286 -1.589	.254 -.845	.295 -.501	.294 -.395	.293 -.342
.137 -.116	.133 -.610	.396 -1.453	.404 -.776	.407 -.492	.397 -.391	.396 -.346
.138 -.142	.272 -.562	.514 -1.233	.497 -.766	.502 -.474	.495 -.389	.494 -.350
.163 -.146	.416 -.507	.618 -1.072	.599 -.753	.601 -.459	.594 -.386	.590 -.328
.162 -.181	.565 -.432	.733 -.843	.700 -.760	.698 -.459	.693 -.371	.693 -.336
.209 -.319	.713 -.351	.835 -.620	.782 -.713	.780 -.467	.784 -.392	.777 -.331
.247 -.386	.854 -.304	.919 -.607	.864 -.675	.863 -.445	.856 -.386	.861 -.309
.276 -.407	.980 -.233	.987 -.564	.926 -.691	.923 -.437	.926 -.390	.918 -.324
.324 -.414	1.074 -.139		.975 -.640	.977 -.434	.977 -.367	.972 -.307
.361 -.378	1.122 -.083					
.396 -.301						
.438 -.244						
.487 -.121						
.518 -.102	-.658 -.084	-.022 -.013	.024 .528	.025 .524	.019 .473	.020 .485
.556 -.067	-.615 .097	.038 .497	.075 .556	.074 .471	.066 .440	.076 .429
.574 -.071	-.572 .170	.101 .498	.137 .434	.130 .380	.136 .348	.136 .301
.593 -.085	-.462 .251	.185 .433	.213 .334	.214 .286	.214 .270	.221 .196
.670 -.053	-.329 .272	.289 .344	.297 .284	.298 .226	.292 .193	.295 .149
.708 -.069	-.172 .241	.519 .189	.400 .175	.397 .136	.489 .092	.396 .071
.747 -.115	-.030 .228	.620 .157	.498 .084	.501 .063	.594 .023	.497 .025
.785 -.225	.128 .250	.737 .202	.604 .029	.603 .008	.700 .079	.597 .002
.804 -.219	.418 .250	.831 .217	.705 .036	.703 .058	.786 .134	.702 .048
.823 -.230	.564 .243	.914 .173	.785 .088	.784 .136	.858 .161	.786 .082
.861 -.163	.710 .277	.986 -.100	.859 .154	.868 .185	.919 .193	.864 .146
.900 -.095	.857 .350	1.012 -.361	.967 -.198	.923 .156		.912 .114
.938 -.028	.976 .326		1.000 -.609	.972 -.108		.985 -.104
	1.072 .216					
	1.110 .124					
CN =	1.4930	1.5819	.9594	.6415	.5652	.4624
CM =	.3879	-.0329	-.0709	-.0577	-.0542	-.0327

TABLE II-236 CONFIGURATION 138 M = 0.50 Q = 500 $\alpha = 18.59^\circ$ $C_L = 1.2998$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 -.018						
.057 -.193						
.076 -.209						
.080 -.172	-.658 -1.129	-.021 -1.771	.023 -.898	.025 -.551	.022 -.471	.018 -.340
.085 -.141	-.565 -1.200	.035 -1.741	.068 -.853	.079 -.568	.075 -.457	.077 -.373
.093 -.158	-.452 -1.049	.105 -1.664	.134 -.765	.133 -.529	.129 -.450	.129 -.358
.113 -.103	-.311 -.857	.178 -1.511	.209 -.777	.214 -.555	.201 -.438	.209 -.348
.115 -.161	-.023 -.753	.286 -1.475	.294 -.768	.295 -.555	.294 -.429	.293 -.364
.137 -.130	.133 -.708	.396 -1.407	.404 -.786	.407 -.505	.397 -.427	.396 -.358
.138 -.185	.272 -.645	.514 -1.236	.497 -.748	.502 -.528	.495 -.425	.494 -.345
.163 -.154	.416 -.537	.618 -1.138	.599 -.752	.601 -.500	.594 -.418	.590 -.367
.162 -.209	.565 -.463	.733 -.982	.700 -.738	.698 -.490	.693 -.428	.693 -.353
.209 -.345	.713 -.405	.835 -.900	.782 -.720	.780 -.483	.784 -.414	.777 -.373
.247 -.415	.854 -.352	.919 -.808	.864 -.696	.863 -.485	.855 -.403	.861 -.356
.276 -.430	.980 -.307	.987 -.784	.926 -.684	.923 -.477	.926 -.400	.918 -.342
.324 -.471	1.074 -.186		.975 -.653	.977 -.469	.977 -.389	.972 -.334
.361 -.405	1.122 -.132					
.396 -.314						
.438 -.268						
.487 -.155						
.518 -.132	-.658 -.140	-.022 -.112	.024 .504	.025 .552	.019 .509	.020 .509
.556 -.104	-.615 .059	.038 .525	.075 .572	.074 .519	.066 .486	.076 .400
.574 -.101	-.572 .176	.101 .528	.137 .486	.130 .425	.136 .379	.136 .292
.593 -.114	-.462 .295	.185 .459	.213 .390	.214 .329	.214 .306	.221 .183
.670 -.063	-.329 .325	.289 .382	.297 .304	.298 .257	.292 .198	.295 .123
.708 -.070	-.172 .289	.519 .214	.400 .221	.397 .167	.489 .091	.396 .071
.747 -.131	-.030 .288	.620 .175	.498 .118	.501 .091	.594 .012	.497 .006
.785 -.247	.128 .287	.737 .185	.604 .034	.603 .016	.700 .062	.597 -.036
.804 -.243	.418 .275	.831 .297	.705 .052	.703 .047	.786 .114	.702 .022
.823 -.248	.564 .268	.914 .159	.785 .100	.784 .131	.858 .178	.786 .053
.861 -.199	.710 .306	.986 -.245	.859 .144	.868 .177	.919 .168	.864 .108
.900 -.118	.857 .350	1.012 -.697	.967 -.200	.923 .142		.912 .101
.938 -.056	.976 .326		1.000 -.655	.972 -.141		.985 -.227
	1.072 .207					
	1.110 .108					
CN =	1.6640	1.5909	.9524	.7058	.6031	.4614
CM =	.4351	-.0774	-.0756	-.0560	-.0496	-.0331

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-237 CONFIGURATION 138 $M = 0.50$ $Q = 500$ $\alpha = 20.77^\circ$ $C_L = 1.4016$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
UPPER SURFACE						
.019 -.037						
.057 -.204						
.076 -.139						
.080 -.197	-.658 -1.326	-.021 -1.604	.023 -.938	.025 -.616	.022 -.490	.018 -.400
.085 -.144	-.565 -1.407	.035 -1.537	.068 -.806	.079 -.633	.075 -.484	.077 -.376
.093 -.181	-.452 -1.129	.105 -1.514	.134 -.900	.133 -.592	.129 -.472	.129 -.400
.113 -.124	-.311 -.971	.178 -1.493	.209 -.784	.214 -.600	.201 -.476	.209 -.367
.115 -.175	-.023 -.877	.286 -1.384	.294 -.775	.295 -.582	.294 -.462	.293 -.376
.137 -.123	.133 -.943	.396 -1.255	.434 -.761	.407 -.584	.397 -.453	.396 -.363
.138 -.214	.272 -.708	.514 -1.125	.497 -.779	.502 -.578	.495 -.434	.494 -.372
.163 -.155	.416 -.586	.613 -1.092	.599 -.761	.601 -.578	.594 -.444	.590 -.382
.167 -.241	.545 -.531	.733 -.988	.730 -.747	.698 -.547	.693 -.438	.693 -.374
.209 -.372	.713 -.506	.835 -.950	.782 -.712	.780 -.555	.784 -.440	.777 -.371
.247 -.453	.954 -.500	.919 -.933	.864 -.707	.862 -.536	.856 -.424	.861 -.357
.274 -.443	.980 -.470	.987 -.937	.926 -.692	.923 -.507	.926 -.408	.918 -.370
.324 -.524	1.074 -.365		.975 -.673	.977 -.503	.977 -.419	.972 -.351
.361 -.473	1.122 -.237					
.396 -.368						
.438 -.317						
.487 -.215						
.518 -.229	-.658 -.320	-.022 -.186	.024 .465	.025 .527	.019 .509	.020 .479
.556 -.173	-.515 -.071	.033 .519	.075 .580	.074 .540	.066 .507	.076 .428
.574 -.177	-.572 -.166	.101 .549	.137 .516	.130 .459	.136 .418	.136 .332
.593 -.185	-.462 .335	.185 .497	.213 .428	.214 .368	.214 .333	.221 .234
.670 -.095	-.329 .368	.289 .407	.297 .344	.298 .303	.292 .243	.295 .166
.708 -.094	-.177 .354	.519 .234	.400 .247	.397 .206	.489 .124	.396 .100
.747 -.142	-.030 .313	.620 .172	.498 .146	.501 .111	.504 .033	.497 .030
.785 -.254	.178 .345	.737 .173	.604 .065	.603 .042	.700 .067	.597 -.009
.904 -.268	.418 .309	.931 .181	.705 .051	.703 .063	.786 .121	.702 .023
.923 -.275	.504 .317	.914 .111	.785 .114	.784 .135	.858 .184	.786 .067
.961 -.244	.710 .328	.986 -.324	.859 .155	.863 .189	.919 .163	.864 .114
.990 -.151	.857 .367	1.012 -.936	.967 -.213	.923 .133		.912 .099
.998 -.075	.976 .327		1.000 -.713	.972 -.157		.985 -.238
	1.072 .182					
	1.110 .064					
CM =	1.9100	1.5363	.9721	.7816	.6452	.4989
CM' =	.4711	-.0001	-.0794	-.0642	-.0517	-.0342

TABLE II-238 CONFIGURATION 138 $M = 0.50$ $Q = 500$ $\alpha = 22.96^\circ$ $C_L = 1.4961$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
UPPER SURFACE						
.019 -.074						
.057 -.198						
.076 -.207						
.080 -.293	-.558 -1.501	-.021 -1.262	.023 -.951	.025 -.690	.022 -.517	.018 -.386
.085 -.140	-.565 -1.570	.035 -1.133	.068 -.912	.079 -.632	.075 -.503	.077 -.418
.093 -.200	-.457 -1.232	.105 -1.178	.134 -.913	.133 -.643	.129 -.512	.129 -.408
.113 -.108	-.311 -1.079	.178 -1.145	.209 -.932	.214 -.640	.201 -.503	.209 -.403
.115 -.184	-.023 -1.150	.286 -1.199	.294 -.857	.295 -.603	.294 -.490	.293 -.386
.137 -.124	.133 -.901	.396 -1.159	.404 -.877	.407 -.608	.397 -.491	.396 -.392
.138 -.210	.272 -.701	.514 -1.085	.497 -.855	.502 -.631	.495 -.494	.494 -.391
.163 -.161	.416 -.668	.618 -1.077	.599 -.925	.601 -.589	.594 -.461	.590 -.397
.167 -.252	.565 -.719	.733 -1.049	.730 -.817	.698 -.609	.693 -.460	.693 -.392
.209 -.365	.713 -.754	.935 -.935	.782 -.812	.780 -.580	.784 -.471	.777 -.402
.247 -.471	.854 -.791	.919 -.962	.864 -.766	.863 -.577	.856 -.471	.861 -.381
.276 -.494	.980 -.682	.987 -.962	.926 -.741	.923 -.541	.926 -.453	.918 -.389
.324 -.544	1.074 -.543		.975 -.713	.977 -.532	.977 -.428	.972 -.372
.361 -.511	1.122 -.342					
.396 -.379						
.438 -.403						
.487 -.350						
.518 -.367	-.658 -.338	-.022 -.195	.024 .424	.025 .463	.019 .454	.020 .468
.556 -.333	-.615 -.019	.033 .529	.075 .588	.074 .569	.066 .539	.076 .475
.574 -.294	-.572 .151	.101 .578	.137 .539	.130 .488	.136 .452	.136 .360
.593 -.284	-.462 .370	.185 .527	.213 .468	.214 .419	.214 .356	.221 .272
.670 -.117	-.329 .410	.289 .457	.297 .378	.298 .345	.292 .283	.295 .189
.708 -.113	-.172 .397	.514 .254	.499 .282	.397 .249	.480 .139	.396 .121
.747 -.161	-.030 .385	.627 .190	.498 .183	.501 .147	.504 .060	.497 .055
.785 -.279	.128 .390	.737 .180	.604 .084	.603 .077	.700 .079	.597 .006
.904 -.290	.418 .376	.831 .180	.765 .071	.703 .070	.786 .121	.702 .038
.923 -.307	.504 .345	.914 .110	.785 .122	.784 .163	.858 .183	.786 .072
.961 -.273	.710 .350	.986 -.356	.859 .167	.868 .192	.919 .175	.864 .111
.990 -.191	.857 .379	1.012 -.994	.967 -.226	.923 .157		.912 .091
.998 -.111	.976 .312		1.000 -.735	.972 -.158		.985 -.252
	1.072 .176					
	1.110 .019					
CM =	2.2519	1.4309	1.0783	.8415	.6932	.5355
CM' =	.4943	-.1208	-.0879	-.0722	-.0574	-.0370

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-239 CONFIGURATION 138 M = 0.50 Q = 500 $\alpha = 24.96^\circ$ $C_L = 1.5730$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	-.077												
.057	-.197												
.076	-.199												
.080	-.208	-.658	-1.699	-.021	-1.206	.023	-.947	.025	-.716	.022	-.536	.018	-.452
.085	-.162	-.565	-1.506	.035	-1.214	.068	-.919	.079	-.709	.075	-.522	.077	-.468
.093	-.219	-.452	-1.296	.105	-1.096	.134	-.901	.133	-.713	.129	-.516	.129	-.452
.113	-.100	-.311	-1.144	.178	-1.169	.209	-.922	.214	-.701	.201	-.521	.209	-.442
.115	-.218	-.023	-1.200	.286	-1.145	.294	-.874	.295	-.695	.294	-.511	.293	-.446
.137	-.120	.133	-.914	.396	-1.091	.404	-.880	.407	-.695	.397	-.508	.396	-.425
.138	-.254	.272	-.978	.514	-1.130	.497	-.889	.502	-.694	.495	-.500	.494	-.440
.163	-.181	.416	-.978	.618	-1.033	.599	-.850	.601	-.649	.594	-.510	.590	-.438
.162	-.305	.565	-.953	.733	-.997	.700	-.830	.698	-.676	.693	-.508	.693	-.423
.209	-.395	.713	-.890	.835	-.981	.782	-.787	.780	-.629	.784	-.482	.777	-.429
.247	-.477	.854	-.858	.919	-1.007	.864	-.777	.863	-.608	.856	-.496	.861	-.412
.276	-.516	.980	-.745	.987	-1.027	.926	-.778	.923	-.602	.926	-.483	.918	-.411
.324	-.612	1.074	-.590			.975	-.760	.977	-.576	.977	-.468	.972	-.406
.361	-.514	1.122	-.425										
.396	-.403												
.438	-.432												
.487	-.415												
LOWER SURFACE													
.518	-.442	-.658	-.382	-.022	-.235	.024	.375	.025	.444	.019	.416	.020	.426
.556	-.401	-.615	-.043	.038	.535	.075	.612	.074	.570	.066	.539	.076	.474
.574	-.391	-.572	.182	.101	.593	.137	.580	.130	.517	.136	.480	.136	.388
.593	-.368	-.462	.394	.185	.567	.213	.495	.214	.434	.214	.398	.221	.272
.670	-.152	-.329	.468	.289	.502	.297	.410	.298	.358	.292	.302	.295	.225
.708	-.128	-.172	.432	.519	.290	.400	.317	.397	.262	.489	.171	.396	.149
.747	-.168	-.030	.416	.620	.222	.498	.198	.501	.166	.594	.084	.497	.067
.785	-.297	.124	.408	.737	.195	.604	.116	.603	.088	.700	.094	.597	.007
.804	-.297	.418	.405	.831	.188	.705	.094	.703	.097	.786	.128	.702	.041
.823	-.320	.564	.378	.914	.117	.785	.140	.784	.161	.858	.187	.786	.054
.861	-.298	.710	.379	.986	-.336	.859	.169	.868	.186	.919	.160	.864	.108
.900	-.230	.857	.390	1.012	-.984	.967	-.229	.923	.138			.912	.094
.938	-.138	.976	.325			1.000	-.788	.972	-.175			.985	-.266
		1.072	.133										
		1.110	-.018										
CN =		2.5063		1.4411		1.1077		.9124		.7321		.5807	
CM =		.5087		-.1261		-.0937		-.0794		-.0634		-.0399	

TABLE II-240 CONFIGURATION 136 M = 0.50 Q = 325 $\alpha = -0.08^\circ$ $C_L = 0.0414$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	-.135												
.057	-.069												
.076	-.085												
.080	-.052	-.658	-.102	-.021	-.075	.023	-.210	.025	-.094	.022	-.062	.018	-.160
.085	-.085	-.565	-.199	.035	-.225	.068	-.276	.079	-.249	.075	-.064	.077	-.066
.093	-.065	-.452	-.233	.105	-.221	.134	-.184	.133	-.137	.129	-.079	.129	-.058
.113	.012	-.311	-.209	.178	-.243	.209	-.197	.214	-.117	.201	-.099	.209	-.078
.115	.050	-.023	-.208	.286	-.213	.294	-.172	.295	-.131	.294	-.083	.293	-.088
.137	.009	.133	-.165	.396	-.191	.404	-.180	.407	-.143	.397	-.110	.396	-.094
.138	.027	.272	-.130	.514	-.167	.497	-.164	.502	-.147	.495	-.129	.494	-.118
.163	-.002	.416	-.096	.618	-.150	.599	-.183	.601	-.191	.594	-.148	.590	-.130
.162	.043	.565	-.087	.733	-.139	.700	-.194	.698	-.198	.693	-.191	.693	-.159
.209	-.071	.713	-.067	.835	-.142	.782	-.206	.780	-.220	.784	-.219	.777	-.183
.247	-.175	.854	-.059	.919	-.106	.854	-.200	.863	-.233	.856	-.223	.861	-.185
.276	-.201	.980	-.050	.987	-.045	.926	-.153	.923	-.183	.926	-.187	.918	-.154
.324	-.202	1.074	-.027			.975	-.046	.977	-.076	.977	-.044	.972	-.047
.361	-.125	1.122	.009										
.396	-.063												
.438	-.033												
.487	.041												
LOWER SURFACE													
.518	.064	-.658	.004	-.022	.027	.024	-.220	.025	-.390	.019	-.542	.020	-.434
.556	.050	-.615	-.050	.038	-.211	.075	-.320	.074	-.400	.066	-.440	.076	-.473
.574	.044	-.572	-.039	.101	-.229	.137	-.277	.130	-.329	.136	-.316	.136	-.368
.593	.027	-.462	-.098	.185	-.230	.213	-.250	.214	-.229	.214	-.229	.221	-.255
.632	.008	-.329	-.122	.289	-.176	.297	-.215	.298	-.188	.489	-.132	.295	-.178
.670	.005	-.172	-.165	.398	-.190	.400	-.192	.397	-.166	.594	-.088	.396	-.138
.747	-.070	-.030	-.191	.519	-.145	.498	-.151	.501	-.137	.700	.049	.497	-.115
.766	-.125	.128	-.179	.620	-.076	.604	-.115	.603	-.111	.786	.152	.597	-.050
.785	-.181	.418	-.150	.737	.045	.705	.027	.703	.038	.858	.213	.702	.075
.804	-.176	.564	-.090	.831	.151	.785	.141	.784	.160	.919	.222	.786	.168
.823	-.156	.710	.014	.914	.180	.859	.213	.868	.224	.967	.152	.864	.212
.842	-.124	.857	.115	.986	.117	.922	.207	.923	.232			.912	.231
.861	-.043	.976	.147	1.012	.050	.967	.125	.972	.139			.985	.071
.881	-.002	1.072	.129			1.000	.041						
.900	.026	1.110	.072										
.938	.066												
CN =		.1123		.0987		.0911		.0738		.0305		.0131	
CM =		.0048		-.0393		-.0560		-.0707		-.0789		-.0748	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-241 CONFIGURATION 136 M = 0.50 Q = 325 $\alpha = 0.94^\circ$ $C_L = 0.1337$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.132												
.057	-.043												
.076	-.077												
.080	-.068	-.658	-.112	-.021	-.212	.023	-.375	.025	-.217	.022	-.098	.018	.012
.085	-.083	-.565	-.214	.035	-.343	.068	-.384	.079	-.395	.075	-.199	.077	-.184
.093	-.074	-.452	-.218	.105	-.316	.134	-.255	.133	-.198	.129	-.146	.129	-.118
.113	.026	-.311	-.253	.178	-.283	.209	-.252	.214	-.211	.201	-.159	.209	-.122
.115	.069	-.023	-.219	.286	-.246	.294	-.226	.295	-.192	.294	-.140	.293	-.130
.137	.012	.133	-.169	.396	-.219	.404	-.213	.407	-.172	.397	-.142	.396	-.129
.138	.046	.272	-.113	.514	-.179	.497	-.207	.502	-.188	.495	-.162	.494	-.139
.163	.010	.416	-.091	.618	-.162	.599	-.206	.601	-.199	.594	-.181	.590	-.155
.162	.025	.565	-.076	.733	-.144	.700	-.210	.698	-.210	.693	-.209	.693	-.174
.209	-.083	.713	-.050	.835	-.148	.782	-.224	.780	-.233	.784	-.235	.777	-.192
.247	-.166	.854	-.061	.919	-.104	.864	-.223	.863	-.243	.856	-.239	.861	-.195
.276	-.244	.980	-.034	.987	-.017	.926	-.158	.923	-.170	.926	-.193	.918	-.168
.324	-.214	1.074	-.013			.975	-.050	.977	-.058	.977	-.059	.972	-.050
.361	-.135	1.122	.009										
.396	-.103												
.438	-.041												
.487	.035												
LOWER SURFACE													
.518	.055	-.658	.032	-.022	.156	.024	-.049	.025	-.201	.019	-.172	.020	-.216
.556	.050	-.615	.019	.038	-.118	.075	-.212	.074	-.255	.066	-.287	.076	-.339
.574	.039	-.572	.003	.101	-.164	.137	-.202	.130	-.206	.136	-.198	.136	-.261
.593	.019	-.462	-.053	.185	-.154	.213	-.176	.214	-.179	.214	-.173	.221	-.196
.632	.008	-.329	-.099	.289	-.139	.297	-.177	.298	-.174	.294	-.173	.295	-.165
.670	.004	-.172	-.146	.398	-.151	.400	-.158	.397	-.144	.394	-.144	.396	-.111
.747	-.072	-.030	-.135	.519	-.110	.498	-.124	.501	-.122	.500	-.122	.497	-.085
.766	-.119	.128	-.122	.620	-.049	.604	-.094	.603	-.087	.786	.169	.597	-.042
.785	-.184	.418	-.096	.737	.053	.705	.028	.703	.062	.858	.243	.702	.085
.804	-.179	.564	-.058	.831	.162	.785	.145	.784	.186	.919	.247	.786	.179
.823	-.157	.710	.034	.914	.206	.859	.213	.868	.252	.967	.158	.864	.227
.842	-.124	.857	.145	.986	.110	.922	.215	.923	.262			.912	.233
.861	-.049	.976	.171	1.012	.051	.967	.127	.972	.154			.985	.061
.881	-.011	1.072	.128										
.900	.024	1.110	.081										
.938	.063												
CN =		.1821		.1742		.1758		.1608		.1331		.0908	
CM =		.0299		-.0288		-.0482		-.0628		-.0697		-.0656	

TABLE II-242 CONFIGURATION 136 M = 0.50 Q = 325 $\alpha = 2.02^\circ$ $C_L = 0.2305$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.118												
.057	-.067												
.076	-.098												
.080	-.070	-.658	-.170	-.021	-.372	.023	-.602	.025	-.480	.022	-.362	.018	-.236
.085	-.105	-.565	-.248	.035	-.487	.068	-.575	.079	-.509	.075	-.315	.077	-.279
.093	-.081	-.452	-.276	.105	-.400	.134	-.381	.133	-.314	.129	-.236	.129	-.221
.113	-.005	-.311	-.290	.178	-.327	.209	-.328	.214	-.254	.201	-.247	.209	-.196
.115	.041	-.023	-.258	.286	-.325	.294	-.268	.295	-.219	.294	-.192	.293	-.168
.137	.007	.133	-.216	.396	-.287	.404	-.282	.407	-.217	.397	-.183	.396	-.150
.138	.039	.272	-.153	.514	-.199	.497	-.235	.502	-.221	.495	-.207	.494	-.176
.163	-.035	.416	-.112	.618	-.203	.599	-.215	.601	-.223	.594	-.207	.590	-.168
.162	.020	.565	-.093	.733	-.182	.700	-.235	.698	-.233	.693	-.226	.693	-.187
.209	-.093	.713	-.082	.835	-.151	.782	-.240	.780	-.249	.784	-.259	.777	-.205
.247	-.235	.854	-.066	.919	-.121	.864	-.232	.863	-.236	.856	-.253	.861	-.206
.276	-.249	.980	-.046	.987	-.034	.926	-.170	.923	-.172	.926	-.192	.918	-.179
.324	-.220	1.074	-.035			.975	-.058	.977	-.059	.977	-.068	.972	-.058
.361	-.183	1.122	.004										
.396	-.112												
.438	-.042												
.487	.007												
LOWER SURFACE													
.518	.036	-.658	.063	-.022	.213	.024	-.092	.025	.012	.019	-.017	.020	.065
.556	.049	-.615	.014	.038	-.028	.075	-.087	.074	-.116	.066	-.149	.076	-.192
.574	.026	-.572	.011	.101	-.076	.137	-.106	.130	-.117	.136	-.112	.136	-.179
.593	.011	-.462	-.043	.185	-.136	.213	-.144	.214	-.114	.214	-.119	.221	-.152
.632	.010	-.329	-.076	.289	-.121	.297	-.122	.298	-.093	.294	-.109	.295	-.120
.670	-.005	-.172	-.127	.398	-.101	.400	-.110	.397	-.103	.394	-.105	.396	-.074
.747	-.071	-.030	-.149	.519	-.111	.498	-.105	.501	-.094	.500	-.081	.497	-.086
.766	-.125	.128	-.117	.620	-.056	.604	-.073	.603	-.064	.786	.163	.597	-.030
.785	-.182	.418	-.073	.737	.068	.705	.037	.703	.078	.858	.236	.702	.090
.804	-.171	.564	-.041	.831	.167	.785	.149	.784	.196	.919	.252	.786	.165
.823	-.154	.710	.048	.914	.197	.859	.222	.868	.268	.967	.147	.864	.225
.842	-.122	.857	.159	.986	.116	.922	.222	.923	.273			.912	.228
.861	-.053	.976	.162	1.012	.043	.967	.141	.972	.154			.985	.048
.881	-.014	1.072	.137										
.900	.018	1.110	.083			1.000	.039						
.938	.061												
CN =		.2582		.2552		.2717		.2583		.2200		.1731	
CM =		.0511		-.0214		-.0384		-.0519		-.0581		-.0516	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-243 CONFIGURATION 136 M = 0.50 Q = 325 $\alpha = 2.54^\circ$ $C_L = 0.2792$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 .120						
.057 .081						
.076 .136						
.080 .102						
.085 .116	.658 .168	.021 .583	.023 .737	.025 .591	.022 .485	.018 .345
.093 .110	.565 .259	.035 .528	.068 .601	.079 .553	.075 .413	.077 .350
.113 .012	.452 .323	.105 .457	.134 .402	.133 .365	.129 .319	.129 .241
.115 .036	.311 .334	.178 .425	.209 .333	.214 .294	.201 .278	.209 .232
.137 .026	.023 .309	.286 .341	.294 .293	.295 .246	.294 .241	.293 .190
.138 .007	.133 .230	.396 .317	.404 .264	.407 .254	.397 .236	.396 .176
.163 .034	.272 .166	.514 .244	.497 .244	.502 .232	.495 .226	.494 .179
.162 .001	.416 .166	.618 .200	.599 .217	.601 .243	.594 .238	.590 .174
.209 .141	.565 .132	.733 .194	.700 .240	.698 .265	.693 .256	.693 .197
.247 .211	.713 .092	.835 .169	.782 .231	.780 .261	.784 .271	.777 .215
.276 .275	.854 .109	.919 .115	.864 .214	.863 .246	.856 .268	.861 .200
.324 .272	.980 .081	.987 .031	.926 .162	.923 .189	.926 .209	.918 .168
.361 .167	1.074 .041		.975 .056	.977 .069	.977 .068	.972 .057
.396 .124	1.122 .014					
.438 .082						
.487 .011						
.518 .023	.658 .058	.022 .273	.024 .200	.025 .113	.019 .107	.020 .106
.556 .027	.615 .034	.038 .008	.075 .021	.074 .063	.066 .084	.076 .157
.574 .023	.572 .003	.101 .046	.137 .057	.130 .093	.136 .116	.136 .131
.593 .001	.462 .057	.185 .075	.213 .084	.214 .079	.214 .086	.221 .120
.632 .004	.329 .067	.289 .100	.297 .080	.298 .071	.489 .066	.295 .095
.670 .008	.172 .143	.398 .114	.400 .082	.397 .087	.594 .063	.396 .062
.747 .081	.030 .125	.519 .069	.498 .086	.501 .072	.700 .068	.497 .061
.766 .123	.128 .099	.620 .043	.604 .054	.603 .054	.786 .173	.597 .018
.785 .189	.418 .091	.737 .067	.705 .060	.703 .065	.858 .231	.702 .095
.804 .179	.564 .030	.831 .178	.785 .157	.784 .193	.919 .248	.786 .170
.823 .167	.710 .052	.914 .205	.859 .222	.868 .269	.967 .153	.864 .232
.842 .135	.857 .139	.986 .110	.922 .223	.923 .261		.912 .242
.881 .056	.976 .172	1.012 .042	.967 .128	.972 .141		.985 .049
.900 .017	1.072 .130		1.000 .031			
.938 .063	1.110 .061					
CN =	.3154	.3139	.3109	.3051	.2777	.2129
CM =	.0610	-.0144	-.0316	-.0477	-.0535	-.0474

TABLE II-244 CONFIGURATION 136 M = 0.50 Q = 325 $\alpha = 3.62^\circ$ $C_L = 0.3810$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 .061						
.057 .089						
.076 .143						
.080 .102						
.085 .132	.658 .260	.021 .794	.023 .1038	.025 .859	.022 .798	.018 .651
.093 .086	.565 .326	.035 .716	.068 .854	.079 .699	.075 .626	.077 .491
.113 .017	.452 .365	.105 .591	.134 .492	.133 .466	.129 .423	.129 .417
.115 .036	.311 .366	.178 .453	.209 .403	.214 .393	.201 .350	.209 .282
.137 .026	.023 .298	.286 .398	.294 .377	.295 .339	.294 .307	.293 .233
.138 .005	.133 .239	.396 .347	.404 .316	.407 .298	.397 .267	.396 .218
.163 .052	.272 .180	.514 .240	.497 .273	.502 .271	.495 .269	.494 .207
.162 .034	.416 .173	.618 .217	.599 .277	.601 .271	.594 .266	.590 .202
.209 .166	.565 .128	.733 .200	.700 .277	.698 .280	.693 .271	.693 .222
.247 .248	.713 .124	.835 .148	.782 .264	.780 .268	.784 .289	.777 .237
.276 .306	.854 .126	.919 .100	.864 .219	.863 .262	.856 .281	.861 .234
.324 .286	.980 .092	.987 .020	.926 .159	.923 .191	.926 .197	.918 .181
.361 .211	1.074 .045		.975 .057	.977 .068	.977 .061	.972 .064
.396 .163	1.122 .021					
.438 .084						
.487 .010						
.518 .010	.658 .026	.022 .301	.024 .308	.025 .236	.019 .271	.020 .270
.556 .033	.615 .042	.038 .086	.075 .084	.074 .057	.066 .026	.076 .015
.574 .015	.572 .019	.101 .015	.137 .006	.130 .004	.136 .006	.136 .072
.593 .005	.462 .022	.185 .019	.213 .031	.214 .031	.214 .026	.221 .064
.632 .001	.329 .050	.289 .058	.297 .042	.298 .050	.489 .040	.295 .057
.670 .008	.172 .072	.398 .044	.400 .073	.397 .047	.594 .038	.396 .056
.747 .082	.030 .094	.519 .038	.498 .060	.501 .047	.700 .092	.497 .051
.766 .124	.128 .077	.620 .017	.604 .049	.603 .034	.786 .184	.597 .014
.785 .193	.418 .058	.737 .099	.705 .069	.703 .085	.858 .243	.702 .082
.804 .183	.564 .023	.831 .190	.785 .167	.784 .208	.919 .263	.786 .166
.823 .176	.710 .070	.914 .213	.859 .225	.868 .266	.967 .157	.864 .217
.842 .137	.857 .156	.986 .119	.922 .240	.923 .264		.912 .235
.881 .069	.976 .178	1.012 .033	.967 .136	.972 .140		.985 .042
.900 .035	1.072 .124		1.000 .032			
.938 .047	1.110 .065					
CN =	.3910	.3959	.4082	.4017	.3821	.2996
CM =	.0881	-.0026	-.0221	-.0372	-.0412	-.0340

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-245 CONFIGURATION 136 $M = 0.50$ $Q = 325$ $\alpha = 4.14^\circ$ $C_L = 0.4249$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.089												
.057	-.091												
.076	-.116												
.080	-.084	-.658	-.247	-.021	-.909	.023	-1.222	.025	-.997	.022	-.903	.018	-.777
.085	-.121	-.565	-.341	.035	-.774	.068	-.950	.079	-.814	.075	-.667	.077	-.583
.093	-.073	-.452	-.344	.105	-.578	.134	-.563	.133	-.485	.129	-.448	.129	-.457
.113	.002	-.311	-.366	.178	-.466	.209	-.464	.214	-.417	.201	-.388	.209	-.322
.115	.046	-.023	-.292	.286	-.429	.294	-.397	.295	-.336	.294	-.298	.293	-.275
.137	-.003	.133	-.241	.396	-.345	.404	-.324	.407	-.303	.397	-.276	.396	-.236
.138	.030	.272	-.187	.514	-.253	.497	-.288	.502	-.292	.495	-.275	.494	-.217
.163	-.046	.416	-.143	.618	-.241	.599	-.270	.601	-.275	.594	-.263	.590	-.216
.162	.014	.565	-.126	.733	-.204	.700	-.267	.698	-.274	.693	-.274	.693	-.227
.209	-.125	.713	-.107	.835	-.150	.782	-.249	.780	-.281	.784	-.294	.777	-.239
.247	-.242	.854	-.084	.919	-.094	.864	-.226	.863	-.251	.856	-.270	.861	-.221
.276	-.274	.980	-.073	.987	-.014	.926	-.139	.923	-.174	.926	-.195	.918	-.186
.324	-.253	1.074	-.039			.975	-.042	.977	-.057	.977	-.054	.972	-.056
.361	-.199	1.122	-.004										
.396	-.127												
.438	-.071												
.487	-.013												
LOWER SURFACE													
.518	.026	-.658	.065	-.022	.336	.024	.344	.025	.303	.019	.358	.020	.337
.556	.039	-.615	.057	.038	.150	.075	.114	.074	.100	.066	.096	.076	.036
.574	.016	-.572	.062	.101	.057	.137	.026	.130	.047	.136	.041	.136	-.022
.593	.005	-.462	.011	.185	-.015	.213	.004	.214	.006	.214	-.001	.221	-.039
.632	.005	-.329	-.022	.289	-.020	.297	-.025	.298	.006	.489	-.029	.295	-.053
.670	-.001	-.172	-.054	.398	-.034	.400	-.035	.397	-.018	.594	-.015	.396	-.040
.747	-.079	-.030	-.067	.519	-.055	.498	-.037	.501	-.032	.700	.101	.497	-.033
.766	-.124	.128	-.044	.620	-.020	.604	-.025	.603	-.016	.786	.176	.597	-.011
.785	-.191	.418	-.026	.737	.099	.705	.072	.703	.100	.858	.244	.702	.096
.804	-.191	.564	.008	.831	.196	.785	.180	.784	.210	.919	.269	.786	.174
.823	-.170	.710	.082	.914	.213	.859	.237	.868	.277	.967	.156	.864	.229
.842	-.137	.857	.162	.986	.110	.922	.243	.923	.276			.912	.230
.861	-.069	.976	.192	1.012	.028	.967	.128	.972	.147			.985	.049
.881	-.025	1.072	.150			1.000	.019						
.900	.005	1.110	.085										
.938	.053												
CM =		.4216		.4243		.4531		.4456		.4131		.3428	
CM =		.1015		.0034		-.0147		-.0313		-.0353		-.0282	

TABLE II-246 CONFIGURATION 136 $M = 0.50$ $Q = 325$ $\alpha = 5.17^\circ$ $C_L = 0.5141$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.076												
.057	-.108												
.076	-.158												
.080	-.100	-.658	-.293	-.021	-1.227	.023	-1.407	.025	-1.263	.022	-1.239	.018	-1.120
.085	-.145	-.565	-.378	.035	-.930	.068	-.963	.079	-.994	.075	-.753	.077	-.659
.093	-.115	-.452	-.420	.105	-.707	.134	-.632	.133	-.611	.129	-.598	.129	-.494
.113	-.036	-.311	-.387	.178	-.551	.209	-.517	.214	-.478	.201	-.485	.209	-.378
.115	.033	-.023	-.348	.286	-.456	.294	-.422	.295	-.394	.294	-.382	.293	-.305
.137	-.042	.133	-.292	.396	-.381	.404	-.354	.407	-.347	.397	-.331	.396	-.258
.138	-.013	.272	-.243	.514	-.266	.497	-.310	.502	-.321	.495	-.307	.494	-.236
.163	-.052	.416	-.207	.618	-.241	.599	-.276	.601	-.323	.594	-.293	.590	-.230
.162	.013	.565	-.175	.733	-.211	.700	-.279	.698	-.306	.693	-.293	.693	-.237
.209	-.177	.713	-.136	.835	-.171	.782	-.254	.780	-.290	.784	-.297	.777	-.245
.247	-.271	.854	-.133	.919	-.090	.864	-.212	.863	-.256	.856	-.273	.861	-.221
.276	-.311	.980	-.109	.987	-.017	.926	-.135	.923	-.172	.926	-.189	.918	-.178
.324	-.305	1.074	-.065			.975	-.039	.977	-.066	.977	-.057	.972	-.060
.361	-.238	1.122	-.029										
.396	-.167												
.438	-.095												
.487	-.017												
LOWER SURFACE													
.518	.009	-.658	.074	-.022	.349	.024	.420	.025	.435	.019	.423	.020	.419
.556	.031	-.615	.082	.038	.208	.075	.204	.074	.199	.066	.170	.076	.140
.574	.011	-.572	.058	.101	.109	.137	.119	.130	.103	.136	.073	.136	.020
.593	-.012	-.462	.027	.185	.059	.213	.047	.214	.066	.214	.041	.221	.012
.632	-.016	-.329	-.009	.289	.023	.297	.032	.298	.034	.489	-.003	.295	-.013
.670	.013	-.172	-.045	.398	.009	.400	.007	.397	.002	.594	-.006	.396	-.012
.747	-.089	-.030	-.064	.519	.004	.498	-.009	.501	-.010	.700	.103	.497	-.022
.766	-.134	.128	-.048	.620	.012	.604	-.006	.603	-.019	.786	.185	.597	.001
.785	-.195	.418	-.031	.737	.094	.705	.087	.703	.091	.858	.247	.702	.097
.804	-.187	.564	.017	.831	.205	.785	.179	.784	.202	.919	.247	.786	.161
.823	-.180	.710	.096	.914	.225	.859	.246	.868	.264	.967	.144	.864	.215
.842	-.162	.857	.175	.986	.124	.922	.239	.923	.262			.912	.223
.861	-.078	.976	.191	1.012	.024	.967	.134	.972	.133			.985	.029
.881	-.038	1.072	.143			1.000	.008						
.900	-.011	1.110	.070										
.938	.061												
CM =		.5103		.5138		.5149		.5283		.4956		.4023	
CM =		.1186		.0143		-.0076		-.0181		-.0238		-.0159	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-247 CONFIGURATION 136 M = 0.50 Q = 325 $\alpha = 7.33^\circ$ $C_L = 0.6880$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.018												
.057	-.148												
.076	-.193												
.080	-.150	-.658	-.466	-.021	-2.136	.023	-2.197	.025	-1.398	.022	-1.267	.018	-1.066
.085	-.159	-.565	-.478	.035	-1.216	.068	-1.309	.079	-1.295	.075	-1.130	.077	-.869
.093	-.131	-.452	-.525	.105	-.923	.134	-.840	.133	-1.135	.129	-.944	.129	-.717
.113	-.029	-.311	-.508	.178	-.705	.209	-.658	.214	-.893	.201	-.866	.209	-.611
.115	.020	-.023	-.435	.286	-.574	.294	-.522	.295	-.612	.294	-.721	.293	-.470
.137	-.042	.133	-.321	.396	-.461	.404	-.432	.407	-.462	.397	-.477	.396	-.356
.138	-.028	.272	-.275	.514	-.332	.497	-.365	.502	-.380	.495	-.390	.494	-.294
.163	-.069	.416	-.215	.618	-.268	.599	-.306	.601	-.331	.594	-.340	.590	-.253
.162	-.063	.565	-.193	.733	-.214	.700	-.275	.698	-.285	.693	-.285	.693	-.205
.209	-.204	.713	-.144	.835	-.156	.782	-.243	.780	-.255	.784	-.245	.777	-.185
.247	-.294	.854	-.159	.919	-.071	.864	-.184	.863	-.206	.856	-.192	.861	-.173
.276	-.350	.980	-.114	.987	-.031	.926	-.107	.923	-.146	.926	-.152	.918	-.125
.324	-.335	1.074	-.069			.975	-.062	.977	-.070	.977	-.081	.972	-.088
.361	-.258	1.122	-.038										
.396	-.211												
.438	-.129												
.487	-.048												
.518	-.008	-.658	.023	-.022	.345	.024	.503	.025	.504	.019	.533	.020	.516
.556	.018	-.615	.075	.038	.299	.075	.331	.074	.336	.066	.304	.076	.265
.574	.004	-.572	.079	.101	.217	.137	.214	.130	.204	.136	.196	.136	.141
.593	-.013	-.462	.035	.185	.130	.213	.131	.214	.131	.214	.129	.221	.067
.632	-.016	-.329	.029	.269	.089	.297	.096	.298	.084	.489	.031	.295	.049
.670	-.015	-.172	-.016	.398	.057	.400	.056	.397	.059	.594	.022	.396	.028
.747	-.083	-.030	.009	.519	.037	.498	.028	.501	.035	.700	.112	.497	-.001
.766	-.135	.128	.013	.620	.038	.604	.027	.603	.023	.786	.190	.597	.008
.785	-.193	.418	.033	.737	.106	.705	.101	.703	.121	.858	.255	.702	.088
.804	-.191	.564	.071	.831	.212	.785	.197	.784	.218	.919	.242	.786	.162
.823	-.184	.710	.130	.914	.224	.859	.245	.868	.284	.967	.131	.864	.200
.842	-.155	.857	.204	.986	.106	.922	.245	.923	.258			.912	.195
.861	-.091	.976	.217	1.012	-.008	.967	.127	.972	.128			.985	-.018
.881	-.053	1.072	.155			1.000	-.014						
.900	-.023	1.110	.081										
.938	.034												
CN =		.6772		.6741		.6633		.6978		.6679		.4971	
CM =		.1747		.0448		.0180		.0062		.0024		.0058	

TABLE II-248 CONFIGURATION 136 M = 0.50 Q = 325 $\alpha = 9.42^\circ$ $C_L = 0.8324$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.023												
.057	-.146												
.076	-.190												
.080	-.127	-.658	-.572	-.021	-3.030	.023	-1.566	.025	-.818	.022	-.555	.018	-.392
.085	-.170	-.565	-.566	.035	-1.637	.068	-1.403	.079	-.782	.075	-.492	.077	-.403
.093	-.127	-.452	-.607	.105	-1.167	.134	-1.368	.133	-.747	.129	-.492	.129	-.359
.113	-.055	-.311	-.559	.178	-.883	.209	-1.345	.214	-.721	.201	-.478	.209	-.323
.115	.012	-.023	-.473	.286	-.700	.294	-1.282	.295	-.700	.294	-.441	.293	-.322
.137	-.054	.133	-.393	.396	-.534	.404	-1.083	.407	-.681	.397	-.434	.396	-.291
.138	-.029	.272	-.321	.514	-.391	.497	-.719	.502	-.693	.495	-.431	.494	-.273
.163	-.088	.416	-.270	.618	-.321	.599	-.264	.601	-.598	.594	-.396	.590	-.260
.162	-.075	.565	-.239	.733	-.245	.700	-.238	.698	-.560	.693	-.391	.693	-.244
.209	-.231	.713	-.185	.835	-.164	.782	-.182	.780	-.508	.784	-.374	.777	-.240
.247	-.312	.854	-.179	.919	-.113	.864	-.187	.863	-.462	.856	-.358	.861	-.237
.276	-.366	.980	-.135	.987	-.084	.926	-.153	.923	-.424	.926	-.335	.918	-.220
.324	-.342	1.074	-.074			.975	-.068	.977	-.384	.977	-.321	.972	-.225
.361	-.282	1.122	-.031										
.396	-.230												
.438	-.166												
.487	-.069												
.518	-.022	-.658	.047	-.022	.241	.024	.528	.025	.554	.019	.517	.020	.462
.556	.009	-.615	.109	.038	.375	.075	.411	.074	.356	.066	.311	.076	.212
.574	.002	-.572	.120	.101	.307	.137	.301	.130	.274	.136	.208	.136	.091
.593	-.013	-.462	.119	.185	.226	.213	.211	.214	.198	.214	.122	.221	.043
.632	-.008	-.329	.085	.289	.167	.297	.170	.298	.130	.489	-.019	.295	.000
.670	-.021	-.172	.050	.398	.110	.400	.117	.397	.079	.594	-.047	.396	-.018
.747	-.086	-.030	.039	.519	.077	.498	.078	.501	.037	.700	.034	.497	-.052
.766	-.137	.128	.072	.620	.068	.604	.059	.603	.006	.786	.103	.597	-.050
.785	-.193	.418	.077	.737	.142	.705	.115	.703	.073	.858	.172	.702	.033
.804	-.195	.564	.108	.831	.210	.785	.199	.784	.163	.919	.174	.786	.099
.823	-.187	.710	.167	.914	.222	.859	.259	.868	.212	.967	-.029	.864	.157
.842	-.158	.857	.244	.986	.070	.922	.257	.923	.174			.912	.145
.861	-.100	.976	.243	1.012	-.077	.967	.152	.972	-.041			.985	-.165
.881	-.057	1.072	.180			1.000	.050						
.900	-.023	1.110	.102										
.938	.025												
CN =		.8474		.8598		.9411		.7761		.5198		.3408	
CM =		.2221		.0695		.0239		-.0584		-.0414		-.0227	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-249 CONFIGURATION 136 M = 0.50 Q = 325 $\alpha = 11.55^\circ$ $C_L = 0.9579$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.012												
.057	-.161												
.076	-.202												
.080	-.152	-.658	-.729	-.021	-2.862	.023	-1.213	.025	-.616	.022	-.434	.018	-.356
.085	-.169	-.565	-.702	.035	-2.683	.068	-1.157	.079	-.633	.075	-.438	.077	-.369
.093	-.150	-.452	-.713	.105	-2.505	.134	-1.059	.133	-.648	.129	-.406	.129	-.357
.113	-.066	-.311	-.654	.178	-.873	.209	-1.071	.214	-.604	.201	-.394	.209	-.336
.115	-.005	-.023	-.545	.286	-.567	.294	-1.039	.295	-.601	.294	-.428	.293	-.358
.137	-.075	.133	-.437	.396	-.523	.404	-1.014	.407	-.566	.397	-.412	.396	-.321
.138	-.052	.272	-.386	.514	-.398	.497	-1.006	.502	-.549	.495	-.406	.494	-.319
.163	-.103	.416	-.342	.618	-.327	.599	-.999	.601	-.552	.594	-.384	.590	-.301
.162	-.092	.565	-.294	.733	-.226	.700	-.885	.698	-.528	.693	-.377	.693	-.298
.209	-.231	.713	-.240	.835	-.152	.782	-.811	.780	-.534	.784	-.366	.777	-.279
.247	-.322	.854	-.199	.919	-.090	.864	-.700	.863	-.502	.856	-.374	.861	-.279
.276	-.379	.980	-.159	.987	-.052	.926	-.598	.923	-.479	.926	-.368	.918	-.287
.324	-.366	1.074	-.090			.975	-.571	.977	-.463	.977	-.345	.972	-.263
.361	-.296	1.122	-.047										
.396	-.260												
.438	-.193												
.487	-.075												
.518	-.044	-.658	.020	-.022	.148	.024	.540	.025	-.569	.019	.548	.020	.492
.556	-.016	-.615	.101	.038	.418	.075	.448	.074	.402	.066	.348	.076	.253
.574	-.021	-.572	.138	.101	.373	.137	.347	.130	.293	.136	.219	.136	.121
.593	-.032	-.462	.141	.185	.300	.213	.261	.214	.205	.214	.154	.221	.069
.632	-.026	-.329	.142	.289	.212	.297	.196	.298	.147	.489	-.010	.295	.018
.670	-.022	-.172	.108	.398	.165	.400	.132	.397	.076	.594	-.058	.396	-.011
.747	-.100	-.030	.118	.519	.118	.498	.098	.501	.019	.700	.018	.497	-.052
.766	-.146	.128	.112	.620	.105	.604	.057	.603	-.033	.786	.091	.597	-.062
.785	-.203	.418	.126	.737	.157	.705	.088	.703	.029	.858	.162	.702	.013
.804	-.201	.564	.147	.831	.237	.785	.167	.784	.115	.919	.161	.786	.087
.823	-.190	.710	.201	.914	.231	.859	.203	.868	.177	.967	-.049	.864	.134
.842	-.175	.857	.280	.986	.080	.922	.141	.923	.141			.912	.120
.861	-.115	.976	.275	1.012	-.094	.967	-.058	.972	-.105			.985	-.192
.881	-.078	1.072	.197			1.000	-.323						
.900	-.038	1.110	.108										
.938	.010												
CN =		1.0406		1.0261		1.1261		.6935		.4992		.3721	
CM =		.2761		.1100		-.0919		-.0595		-.0430		-.0274	

TABLE II-250 CONFIGURATION 136 M = 0.50 Q = 325 $\alpha = 13.69^\circ$ $C_L = 1.0745$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	-.026												
.057	-.208												
.076	-.207												
.080	-.142	-.658	-.937	-.021	-2.416	.023	-1.051	.025	-.586	.022	-.417	.018	-.327
.085	-.176	-.565	-.906	.035	-2.366	.068	-1.018	.079	-.544	.075	-.396	.077	-.353
.093	-.143	-.452	-.792	.105	-2.325	.134	-.972	.133	-.563	.129	-.392	.129	-.343
.113	-.074	-.311	-.692	.178	-2.191	.209	-.935	.214	-.542	.201	-.393	.209	-.333
.115	-.056	-.023	-.563	.286	-1.794	.294	-.870	.295	-.516	.294	-.387	.293	-.333
.137	-.082	.133	-.520	.396	-1.231	.404	-.904	.407	-.525	.397	-.398	.396	-.320
.138	-.096	.272	-.483	.514	-.540	.497	-.887	.502	-.511	.495	-.396	.494	-.330
.163	-.102	.416	-.429	.618	-.415	.599	-.891	.601	-.535	.594	-.377	.590	-.319
.162	-.121	.565	-.377	.733	-.245	.700	-.861	.698	-.521	.693	-.387	.693	-.314
.209	-.240	.713	-.278	.835	-.181	.782	-.835	.780	-.521	.784	-.388	.777	-.297
.247	-.347	.854	-.255	.919	-.134	.864	-.794	.863	-.491	.856	-.356	.861	-.300
.276	-.385	.980	-.168	.987	-.106	.926	-.757	.923	-.494	.926	-.365	.918	-.294
.324	-.390	1.074	-.083			.975	-.738	.977	-.455	.977	-.352	.972	-.286
.361	-.336	1.122	-.044										
.396	-.290												
.438	-.217												
.487	-.100												
.518	-.059	-.658	-.035	-.022	.061	.024	.537	.025	.552	.019	.553	.020	.510
.556	-.037	-.615	.077	.038	.459	.075	.484	.074	.430	.066	.398	.076	.295
.574	-.049	-.572	.156	.101	.421	.137	.400	.130	.337	.136	.278	.136	.180
.593	-.046	-.462	.200	.185	.346	.213	.308	.214	.244	.214	.199	.221	.105
.632	-.037	-.329	.201	.289	.281	.297	.229	.298	.182	.489	.010	.295	.046
.670	-.037	-.172	.169	.398	.204	.400	.160	.397	.106	.594	-.029	.396	.018
.747	-.107	-.030	.155	.519	.153	.498	.101	.501	.039	.700	.031	.497	-.035
.766	-.154	.128	.154	.620	.132	.604	.035	.603	-.022	.786	.095	.597	-.050
.785	-.210	.418	.155	.737	.182	.705	.053	.703	.028	.858	.167	.702	.017
.804	-.214	.564	.184	.831	.234	.785	.108	.784	.101	.919	.167	.786	.079
.823	-.204	.710	.235	.914	.244	.859	.136	.868	.166	.967	-.055	.864	.128
.842	-.195	.857	.309	.986	.096	.922	.077	.923	.138			.912	.121
.861	-.141	.976	.291	1.012	-.048	.967	-.204	.972	-.108			.985	-.214
.881	-.105	1.072	.212			1.000	-.756						
.900	-.068	1.110	.119										
.938	-.013												
CN =		1.2224		1.3716		1.0568		.6707		.5136		.3927	
CM =		.3276		-.1044		-.0943		-.0598		-.0435		-.0291	

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-251 CONFIGURATION 136 $M = 0.25$ $Q = 178$ $\alpha = -0.10^0$ $C_L = 0.0321$ $\beta = 0$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.153												
.057	-.029												
.076	-.085												
UPPER SURFACE													
.080	-.086	-.658	-.078	-.021	-.063	.023	-.166	.025	-.066	.022	-.060	.018	-.196
.085	-.071	-.565	-.131	.035	-.199	.068	-.186	.079	-.097	.075	-.096	.077	-.057
.093	-.064	-.452	-.222	.105	-.245	.134	-.179	.133	-.131	.129	-.066	.129	-.048
.113	.015	-.311	-.246	.178	-.233	.209	-.149	.214	-.120	.201	-.082	.209	-.071
.115	.059	-.023	-.206	.286	-.192	.294	-.161	.295	-.109	.294	-.100	.293	-.062
.137	.010	.133	-.150	.396	-.206	.404	-.170	.407	-.130	.397	-.111	.396	-.083
.138	.025	.272	-.107	.514	-.156	.497	-.142	.502	-.155	.495	-.117	.494	-.117
.163	-.004	.416	-.081	.618	-.121	.599	-.145	.601	-.150	.594	-.158	.590	-.101
.162	.023	.565	-.085	.723	-.151	.700	-.190	.698	-.195	.693	-.176	.693	-.134
.209	-.098	.713	-.042	.835	-.116	.782	-.197	.780	-.224	.784	-.197	.777	-.172
.247	-.177	.854	-.045	.519	-.102	.864	-.188	.863	-.293	.856	-.221	.861	-.164
.276	-.223	.980	-.049	.587	-.048	.926	-.166	.923	-.169	.926	-.169	.918	-.139
.324	-.205	1.074	-.014			.975	-.071	.977	-.084	.977	-.040	.972	-.055
.361	-.122	1.122	.008										
.396	-.087												
.438	-.033												
LOWER SURFACE													
.487	.049												
.518	.039	-.658	.009	-.022	-.023	.024	-.249	.025	-.372	.019	-.400	.020	-.426
.556	.057	-.615	-.017	.C38	-.177	.075	-.296	.074	-.329	.066	-.421	.076	-.440
.574	.046	-.572	-.028	.101	-.247	.137	-.254	.130	-.278	.136	-.288	.136	-.322
.593	.007	-.462	-.128	.185	-.157	.213	-.227	.214	-.242	.214	-.224	.221	-.264
.632	.017	-.329	-.120	.289	-.186	.257	-.191	.298	-.189	.489	-.124	.295	-.168
.670	.004	-.172	-.169	.398	-.162	.400	-.161	.397	-.167	.594	-.104	.396	-.125
.747	-.067	-.030	-.173	.519	-.120	.498	-.128	.501	-.139	.700	.049	.497	-.115
.766	-.110	.128	-.170	.620	-.085	.604	-.101	.603	-.098	.786	.154	.597	-.037
.785	-.185	.418	-.138	.737	.060	.705	.030	.703	.030	.858	.191	.702	.082
.804	-.166	.564	-.065	.831	.154	.785	.141	.784	.146	.919	.235	.786	.156
.823	-.151	.713	.018	.514	.176	.859	.204	.868	.235	.967	.146	.864	.225
.842	-.117	.857	.106	.586	.112	.922	.223	.923	.230			.912	.229
.861	-.030	.976	.152	1.012	.051	.967	.135	.972	.130			.985	.068
.881	.003	1.072	.119			1.000	.037						
.900	.022	1.110	.068										
.938	.071												
CM =			.1049		.0974		.0884		.0613		.0361		.0067
CM =			.0042		-.0390		-.0582		-.0690		-.0731		-.0720

TABLE II-252 CONFIGURATION 136 $M = 0.25$ $Q = 178$ $\alpha = 0.92^\circ$ $C_L = 0.1248$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.121												
.057	-.052												
.076	-.074												
.080	-.078	-.658	-.146	-.021	-.270	.023	-.372	.025	-.224	.022	-.133	.018	-.025
.085	-.100	-.565	-.184	.035	-.312	.068	-.338	.079	-.255	.075	-.207	.077	-.185
.093	-.074	-.452	-.224	.105	-.305	.134	-.258	.133	-.178	.129	-.165	.129	-.132
.113	-.003	-.311	-.255	.178	-.251	.209	-.255	.214	-.183	.201	-.161	.209	-.118
.115	.036	-.023	-.233	.286	-.245	.294	-.201	.295	-.178	.294	-.158	.293	-.135
.137	.007	.133	-.202	.396	-.249	.404	-.201	.407	-.177	.397	-.136	.396	-.120
.138	.023	.272	-.155	.514	-.181	.497	-.194	.502	-.201	.495	-.157	.494	-.143
.163	-.029	.416	-.090	.618	-.172	.599	-.194	.601	-.204	.594	-.190	.590	-.145
.162	.017	.565	-.098	.733	-.149	.700	-.218	.698	-.207	.693	-.213	.693	-.172
.209	-.120	.713	-.075	.835	-.147	.782	-.207	.780	-.233	.784	-.243	.777	-.200
.247	-.204	.854	-.045	.919	-.122	.864	-.224	.863	-.240	.856	-.225	.861	-.183
.276	-.265	.980	-.064	.987	-.031	.926	-.165	.923	-.169	.926	-.208	.918	-.181
.324	-.228	1.074	-.021			.975	-.058	.977	-.092	.977	-.068	.972	-.061
.361	-.134	1.122	-.013										
.396	-.106												
.438	-.026												
.487	.046												
.518	.030	-.658	.021	-.022	.120	.024	-.023	.025	-.168	.019	-.146	.020	-.159
.556	.045	-.615	-.003	.038	-.142	.075	-.216	.074	-.252	.066	-.286	.076	-.330
.574	.027	-.572	-.018	.101	-.134	.137	-.182	.130	-.182	.136	-.195	.136	-.258
.593	.017	-.462	-.078	.185	-.143	.213	-.175	.214	-.156	.214	-.155	.221	-.171
.632	-.002	-.329	-.115	.289	-.170	.297	-.154	.298	-.157	.489	-.074	.295	-.169
.670	-.019	-.172	-.143	.398	-.133	.400	-.137	.397	-.121	.594	-.089	.396	-.105
.747	-.081	-.030	-.149	.519	-.113	.498	-.113	.501	-.104	.700	.059	.497	-.082
.766	-.123	.128	-.150	.620	-.065	.604	-.080	.603	-.086	.786	.153	.597	-.039
.785	-.183	.418	-.113	.737	.050	.705	.019	.703	.060	.858	.242	.702	.079
.804	-.172	.564	-.061	.831	.143	.785	.143	.784	.165	.919	.254	.786	.155
.823	-.155	.710	.034	.914	.200	.859	.224	.868	.238	.967	.136	.864	.247
.842	-.132	.857	.117	.986	.095	.922	.217	.923	.257			.912	.226
.861	-.047	.976	.149	1.012	.045	.967	.123	.972	.134			.985	.064
.881	-.008	1.072	.105			1.000	.029						
.900	.011	1.110	.066										
.938	.063												
CM =		.1764		.1718		.1769		.1592		.1443		.0977	
CM =		.0249		-.0294		-.0485		-.0635		-.0675		-.0634	

~~CONFIDENTIAL~~

TABLE II-253 CONFIGURATION 136 M = 0.25 Q = 178 $\alpha = 1.93^\circ$ $C_L = 0.2177$ $\beta = 0^\circ$											
STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933					
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP					
.019 .094							UPPER SURFACE				
.057 .079											
.076 .107											
.080 .089	-.658 -.178	-.021 -.458	.023 -.556	.025 -.439	.022 -.303	.018 -.233					
.085 .106	-.565 -.212	.035 -.445	.068 -.427	.079 -.386	.075 -.321	.077 -.273					
.093 .078	-.452 -.288	.105 -.367	.134 -.360	.133 -.292	.129 -.250	.129 -.187					
.113 .001	-.311 -.282	.178 -.370	.209 -.277	.214 -.241	.201 -.243	.209 -.188					
.115 .047	-.023 -.252	.286 -.311	.294 -.256	.295 -.221	.294 -.187	.293 -.167					
.137 -.010	.133 -.190	.396 -.247	.404 -.248	.407 -.215	.397 -.207	.396 -.156					
.138 .004	.272 -.137	.514 -.213	.497 -.229	.502 -.221	.495 -.207	.494 -.166					
.163 -.027	.416 -.118	.618 -.156	.599 -.217	.601 -.207	.594 -.186	.590 -.169					
.162 -.009	.565 -.123	.733 -.172	.700 -.225	.698 -.250	.693 -.232	.693 -.195					
.209 -.123	.713 -.072	.835 -.160	.782 -.228	.780 -.254	.784 -.247	.777 -.200					
.247 -.269	.854 -.038	.919 -.100	.864 -.234	.863 -.236	.856 -.250	.861 -.206					
.276 -.275	.980 -.061	.987 -.047	.926 -.157	.923 -.195	.926 -.202	.918 -.182					
.324 -.234	1.074 -.027		.975 -.075	.977 -.079	.977 -.086	.972 -.060					
.361 -.170	1.122 -.005										
.396 -.098											
.438 -.072											
.487 .009							LOWER SURFACE				
.518 .045	-.658 .042	-.022 .224	.024 .111	.025 .033	.019 .067	.020 .018					
.556 .023	-.615 .018	.038 -.014	.075 -.057	.074 -.117	.066 -.156	.076 -.178					
.574 .022	-.572 -.006	.101 -.110	.137 -.105	.130 -.113	.136 -.118	.136 -.147					
.593 .002	-.462 -.055	.185 -.119	.213 -.113	.214 -.112	.214 -.127	.221 -.129					
.632 -.005	-.329 -.086	.289 -.092	.297 -.110	.298 -.092	.489 -.071	.295 -.096					
.670 -.000	-.172 -.113	.398 -.110	.400 -.109	.397 -.094	.594 -.042	.396 -.091					
.747 -.076	-.030 -.117	.519 -.058	.498 -.076	.501 -.069	.700 .064	.497 -.060					
.766 -.122	.128 -.108	.620 -.031	.604 -.066	.603 -.050	.786 .162	.597 -.028					
.785 -.188	.418 -.099	.737 .056	.705 .032	.703 .057	.858 .246	.702 .083					
.804 -.162	.564 -.035	.831 .173	.785 .157	.784 .174	.919 .248	.786 .168					
.823 -.171	.710 .044	.914 .167	.859 .213	.868 .256	.967 .159	.864 .232					
.842 -.123	.857 .135	.986 .114	.922 .238	.923 .245		.912 .227					
.861 -.056	.976 .163	1.012 .049	.967 .133	.972 .137		.985 .066					
.881 -.020	1.072 .117		1.000 .024								
.900 .017	1.110 .069										
.938 .048											
CN =	.2499	.2566	.2595	.2490	.2249	.1775					
CM =	.0471	-.0200	-.0410	-.0536	-.0592	-.0528					

TABLE II-254 CONFIGURATION 136 M = 0.25 Q = 178 $\alpha = 2.97^\circ$ $C_L = 0.3081$ $\beta = 0^\circ$											
STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933					
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP					
.019 .086							UPPER SURFACE				
.057 .082											
.076 .125											
.080 .106	-.658 -.212	-.021 -.642	.023 -.779	.025 -.682	.022 -.552	.018 -.411					
.085 .128	-.565 -.245	.035 -.573	.068 -.574	.079 -.497	.075 -.428	.077 -.368					
.093 .100	-.452 -.329	.105 -.450	.134 -.435	.133 -.393	.129 -.363	.129 -.282					
.113 .039	-.311 -.345	.178 -.420	.209 -.344	.214 -.362	.201 -.321	.209 -.262					
.115 .038	-.023 -.284	.286 -.353	.294 -.308	.295 -.295	.294 -.234	.293 -.200					
.137 .040	.133 -.229	.396 -.289	.404 -.280	.407 -.281	.397 -.248	.396 -.192					
.138 .001	.272 -.170	.514 -.237	.497 -.249	.502 -.259	.495 -.235	.494 -.185					
.163 .040	.416 -.148	.618 -.213	.599 -.242	.601 -.244	.594 -.227	.590 -.192					
.162 -.025	.565 -.129	.733 -.172	.700 -.231	.698 -.273	.693 -.260	.693 -.208					
.209 -.131	.713 -.090	.835 -.159	.782 -.251	.780 -.266	.784 -.265	.777 -.199					
.247 -.237	.854 -.098	.919 -.104	.864 -.235	.863 -.252	.856 -.256	.861 -.216					
.276 -.286	.980 -.061	.987 -.044	.926 -.146	.923 -.191	.926 -.207	.918 -.186					
.324 -.255	1.074 -.042		.975 -.068	.977 -.072	.977 -.105	.972 -.059					
.361 .189	1.122 -.010										
.396 .114											
.438 .072							LOWER SURFACE				
.487 .001											
.518 .031	-.658 .044	-.022 .278	.024 .211	.025 .215	.019 .251	.020 .197					
.556 .026	-.615 .052	.038 .049	.075 .027	.074 .038	.066 -.021	.076 -.050					
.574 .017	-.572 .027	.101 -.031	.137 -.037	.130 -.024	.136 -.032	.136 -.080					
.593 .005	-.462 -.038	.185 -.063	.213 -.047	.214 -.066	.214 -.063	.221 -.087					
.632 -.007	-.329 -.067	.289 -.049	.297 -.060	.298 -.063	.489 -.044	.295 -.061					
.670 .013	-.172 -.114	.398 -.076	.400 -.074	.397 -.072	.594 -.032	.396 -.064					
.747 .081	-.030 -.119	.519 -.074	.498 -.040	.501 -.042	.700 .079	.497 -.036					
.766 .124	.128 -.085	.620 -.018	.604 -.046	.603 -.037	.786 .172	.597 -.017					
.785 -.188	.418 -.074	.737 .068	.705 .048	.703 .066	.858 .250	.702 .076					
.804 -.179	.564 -.020	.831 .181	.785 .175	.784 .184	.919 .261	.786 .179					
.823 -.171	.710 .062	.914 .195	.859 .223	.868 .255	.967 .148	.864 .229					
.842 -.121	.857 .156	.986 .123	.922 .226	.923 .257		.912 .226					
.861 -.062	.976 .164	1.012 .044	.967 .130	.972 .139		.985 .070					
.881 -.023	1.072 .127		1.000 .026								
.900 .017	1.110 .066										
.938 .048											
CN =	.3290	.3312	.3350	.3474	.3194	.2504					
CM =	.0708	-.0107	-.0321	-.0425	-.0492	-.0424					

TABLE II-255

CONFIGURATION 136

M = 0.25

Q = 178

 $\alpha = 3.99^\circ$ $C_L = 0.3862$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 .071						
.057 -.103						
.076 -.119						
.080 -.111	-.658	-.283	-.021	-.860	.023	-1.092
.085 -.122	-.565	-.316	.035	-.675	.068	-.747
.093 -.090	-.452	-.354	.105	-.550	.134	-.544
.113 -.035	-.311	-.361	.178	-.451	.209	-.417
.115 .044	-.023	-.302	.286	-.414	.294	-.359
.137 -.022	.133	-.267	.396	-.322	.404	-.298
.138 -.002	.272	-.176	.514	-.257	.497	-.273
.163 -.046	.416	-.147	.618	-.215	.599	-.283
.162 -.019	.565	-.143	.733	-.192	.700	-.246
.209 -.148	.713	-.096	.825	-.172	.782	-.233
.247 -.238	.854	-.097	.919	-.099	.864	-.237
.276 -.300	.980	-.074	.987	-.037	.926	-.151
.324 -.252	1.074	-.045			.975	-.071
.361 -.205	1.122	-.021			.977	-.071
.396 -.124						
.438 -.064						
.487 -.013						
.518 .033	-.658	.038	-.022	.304	.024	.310
.556 .027	-.615	.049	.038	.139	.075	.055
.574 .025	-.572	.040	.101	.050	.137	.019
.593 -.010	-.462	-.029	.185	-.029	.213	-.014
.632 -.017	-.325	-.035	.289	-.023	.297	-.017
.670 -.009	-.172	-.081	.398	-.050	.400	-.067
.747 -.086	-.030	-.103	.519	-.047	.498	-.030
.766 -.124	.128	-.054	.620	-.023	.604	-.030
.785 -.185	.418	-.066	.737	.068	.705	.055
.804 -.165	.504	-.004	.821	.175	.785	.162
.823 -.170	.710	.066	.914	.185	.859	.209
.842 -.124	.857	.150	.986	.094	.922	.223
.861 -.056	.976	.166	1.012	.032	.967	.117
.881 -.030	1.072	.111			1.000	.039
.900 .006	1.110	.067				
.938 .052						
CN =		.3857		.3944		.4109
CM =		.0966		.0019		-.0189

LOWER SURFACE

TABLE II-256

CONFIGURATION 136

M = 0.25

Q = 178

 $\alpha = 4.58^\circ$ $C_L = 0.4456$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 .065						
.057 -.106						
.076 -.139						
.080 -.098	-.658	-.296	-.021	-1.135	.023	-1.178
.085 -.136	-.565	-.319	.025	-.747	.068	-.822
.093 -.101	-.452	-.374	.105	-.617	.134	-.616
.113 -.034	-.311	-.376	.178	-.518	.209	-.438
.115 .018	-.023	-.325	.286	-.412	.294	-.402
.137 -.032	.133	-.263	.396	-.352	.404	-.335
.138 -.000	.272	-.216	.514	-.260	.497	-.296
.163 -.066	.416	-.157	.618	-.230	.599	-.282
.162 -.016	.565	-.145	.733	-.206	.700	-.260
.209 -.159	.713	-.120	.825	-.143	.782	-.255
.247 -.251	.854	-.099	.919	-.057	.864	-.219
.276 -.284	.980	-.096	.987	-.021	.926	-.154
.324 -.276	1.074	-.050			.975	-.070
.361 -.208	1.122	-.015			.977	-.084
.396 -.139						
.438 -.093						
.487 -.005						
.518 .021	-.658	.045	-.022	.341	.024	.358
.556 .031	-.615	.060	.038	.163	.075	.144
.574 .018	-.572	.050	.101	.067	.137	.053
.593 -.012	-.462	.001	.185	.022	.213	.011
.632 -.001	-.329	-.023	.289	.002	.297	.005
.670 -.008	-.172	-.066	.398	-.024	.400	-.033
.747 -.083	-.030	-.071	.519	-.018	.498	-.014
.766 -.131	.128	-.070	.620	-.013	.604	-.021
.785 -.185	.418	-.039	.737	.097	.705	.073
.804 -.173	.504	-.004	.821	.187	.785	.176
.823 -.168	.710	.087	.914	.205	.859	.225
.842 -.139	.857	.157	.986	.118	.922	.242
.861 -.069	.976	.176	1.012	.021	.967	.136
.881 -.026	1.072	.139			1.000	.017
.900 .010	1.110	.063				
.938 .043						
CN =		.4334		.4524		.4615
CM =		.1048		.0086		-.0172

LOWER SURFACE

~~CONFIDENTIAL~~

TABLE II-257 CONFIGURATION 136 M = 0.25 Q = 178 $\alpha = 5.00^\circ$ $C_L = 0.4846$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.661												
.057	-.108												
.076	-.130												
.080	-.115	-.658	-.318	-.021	-1.139	.023	-1.349	.025	-1.178	.022	-1.109	.018	-1.002
.085	-.130	-.565	-.336	.035	-.841	.068	-.878	.079	-.712	.075	-.683	.077	-.605
.093	-.107	-.452	-.388	.105	-.627	.134	-.612	.133	-.545	.129	-.534	.129	-.470
.113	-.037	-.311	-.393	.178	-.530	.209	-.474	.214	-.474	.201	-.466	.209	-.365
.115	-.027	-.023	-.336	.286	-.447	.294	-.422	.295	-.368	.294	-.340	.293	-.285
.137	-.052	.133	-.278	.396	-.361	.404	-.354	.407	-.355	.397	-.313	.396	-.263
.138	-.006	.272	-.210	.514	-.277	.497	-.322	.502	-.314	.495	-.299	.494	-.238
.163	-.063	.416	-.195	.618	-.245	.599	-.297	.601	-.296	.594	-.274	.590	-.241
.162	-.037	.565	-.150	.733	-.209	.700	-.265	.698	-.302	.693	-.292	.693	-.245
.209	-.168	.713	-.120	.835	-.170	.782	-.269	.780	-.280	.784	-.289	.777	-.234
.247	-.252	.854	-.116	.919	-.095	.864	-.228	.863	-.264	.856	-.281	.861	-.236
.276	-.302	.980	-.091	.987	-.022	.926	-.159	.923	-.178	.926	-.209	.918	-.189
.324	-.273	1.074	-.046			.975	-.062	.977	-.069	.977	-.129	.972	-.073
.361	-.217	1.122	-.007										
.396	-.135												
.438	-.090												
.487	-.013												
LOWER SURFACE													
.518	.022	-.658	.047	-.022	.339	.024	.410	.025	.359	.019	.439	.020	.401
.556	.022	-.615	.064	.034	.189	.075	.213	.074	.207	.066	.192	.076	.122
.574	.015	-.572	.073	.101	.106	.137	.103	.130	.127	.136	.114	.136	.044
.593	-.013	-.462	-.002	.185	.338	.213	.044	.214	.038	.214	.034	.221	.010
.632	-.016	-.329	.004	.289	.024	.297	.014	.298	.033	.489	.003	.295	.010
.670	-.010	-.172	-.051	.398	-.008	.400	-.018	.397	-.003	.594	.002	.396	-.023
.747	-.079	-.030	-.077	.519	-.023	.498	-.002	.501	.008	.730	.093	.497	-.003
.766	-.119	.128	-.033	.620	-.004	.604	-.016	.603	.000	.786	.180	.597	-.012
.785	-.188	.418	-.033	.737	.085	.705	.076	.703	.090	.858	.243	.702	.077
.804	-.177	.564	.015	.831	.191	.785	.171	.784	.205	.919	.251	.786	.172
.823	-.175	.710	.093	.914	.202	.859	.225	.868	.263	.967	.146	.864	.209
.842	-.129	.857	.173	.986	.121	.922	.241	.923	.259			.912	.223
.861	-.080	.976	.193	1.012	.030	.967	.126	.972	.136			.985	.036
.881	-.036	1.072	.145			1.000	.010						
.900	.002	1.110	.677										
.938	.044												
CM =		.4785		.4810		.5066		.4977		.4803		.3933	
CM =		.1148		.0107		-.0120		-.0261		-.0293		-.0205	

TABLE II-258 CONFIGURATION 136 M = 0.25 Q = 178 $\alpha = 6.01^\circ$ $C_L = 0.5627$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.044												
.057	-.123												
.076	-.156												
.080	-.114	-.658	-.374	-.021	-1.403	.023	-1.690	.025	-1.553	.022	-1.515	.018	-1.294
.085	-.152	-.565	-.383	.035	-.972	.068	-1.066	.079	-.867	.075	-.867	.077	-.794
.093	-.110	-.452	-.446	.105	-.746	.134	-.699	.133	-.671	.129	-.668	.129	-.562
.113	-.032	-.311	-.426	.178	-.613	.209	-.572	.214	-.511	.201	-.496	.209	-.416
.115	.018	-.023	-.356	.286	-.471	.294	-.474	.295	-.449	.294	-.426	.293	-.338
.137	-.046	.133	-.262	.396	-.403	.404	-.374	.407	-.370	.397	-.346	.396	-.289
.138	-.012	.272	-.227	.514	-.301	.497	-.334	.502	-.318	.495	-.325	.494	-.265
.163	-.075	.416	-.180	.618	-.252	.599	-.282	.601	-.317	.594	-.305	.590	-.240
.162	-.039	.565	-.155	.733	-.195	.700	-.292	.698	-.296	.693	-.300	.693	-.239
.209	-.185	.713	-.136	.835	-.149	.782	-.235	.780	-.293	.784	-.293	.777	-.264
.247	-.263	.854	-.118	.919	-.056	.864	-.209	.863	-.247	.856	-.253	.861	-.220
.276	-.321	.980	-.101	.987	-.004	.926	-.154	.923	-.176	.926	-.178	.918	-.188
.324	-.256	1.074	-.048			.975	-.047	.977	-.072	.977	-.133	.972	-.072
.361	-.208	1.122	-.027										
.396	-.177												
.438	-.108												
.487	-.018												
LOWER SURFACE													
.518	.003	-.658	.657	-.022	.362	.024	.478	.025	.452	.019	.517	.020	.480
.556	.025	-.615	.678	.038	.233	.075	.248	.074	.258	.066	.239	.076	.189
.574	.003	-.572	.075	.101	.156	.137	.153	.130	.166	.136	.131	.136	.099
.593	-.003	-.462	.044	.185	.097	.213	.078	.214	.114	.214	.114	.221	.048
.632	-.006	-.329	.004	.289	.040	.297	.053	.298	.053	.489	.033	.295	.017
.670	-.024	-.172	-.019	.398	.015	.400	.034	.397	.036	.594	.016	.396	.003
.747	-.096	-.030	-.013	.519	.003	.498	.006	.501	.037	.700	.108	.497	.004
.766	-.136	.128	-.018	.620	.021	.604	.021	.603	.011	.786	.183	.597	.014
.785	-.200	.418	.008	.737	.114	.705	.091	.703	.109	.858	.259	.702	.104
.804	-.180	.564	.039	.831	.167	.785	.171	.784	.206	.919	.267	.786	.149
.823	-.172	.710	.111	.914	.225	.859	.251	.868	.268	.967	.130	.864	.236
.842	-.143	.857	.183	.986	.058	.922	.225	.923	.264			.912	.223
.861	-.072	.976	.204	1.012	.014	.967	.122	.972	.130			.985	.030
.881	-.024	1.072	.142			1.000	.009						
.900	-.014	1.110	.669										
.938	.046												
CM =		.5505		.5496		.5716		.5766		.5670		.4621	
CM =		.1414		.0237		.0012		-.0131		-.0154		-.0095	

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-259 CONFIGURATION 136 M = 0.25 Q = 178 $\alpha = 7.05^\circ$ $C_L = 0.6494$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 .023						
.057 -.142						
.076 -.155						
.080 -.121	-.658, -.419	-.021 -1.759	.023 -2.126	.025 -2.001	.022 -2.187	.018 -1.670
.085 -.152	-.565 -.436	.035 -1.124	.068 -1.209	.079 -1.022	.075 -1.002	.077 -.914
.093 -.113	-.452 -.480	.105 -.829	.134 -.795	.133 -.773	.129 -.750	.129 -.656
.113 -.051	-.311 -.464	.178 -.661	.209 -.617	.214 -.605	.201 -.597	.209 -.496
.115 .014	-.023 -.380	.286 -.527	.294 -.521	.295 -.494	.294 -.455	.293 -.374
.137 -.058	.133 -.315	.396 -.404	.404 -.408	.407 -.414	.397 -.406	.396 -.331
.138 -.017	.272 -.248	.514 -.332	.497 -.348	.502 -.376	.495 -.334	.494 -.275
.163 -.085	.416 -.212	.618 -.251	.599 -.343	.601 -.330	.594 -.344	.590 -.262
.162 -.062	.565 -.179	.733 -.195	.700 -.278	.698 -.320	.693 -.324	.693 -.271
.209 -.180	.713 -.145	.835 -.156	.782 -.258	.780 -.277	.784 -.289	.777 -.254
.247 -.290	.854 -.143	.919 -.066	.864 -.215	.863 -.252	.856 -.257	.861 -.230
.276 -.328	.980 -.087	.587 -.031	.926 -.132	.923 -.168	.926 -.170	.918 -.184
.324 -.291	1.074 -.068		.975 -.057	.977 -.055	.977 -.132	.972 -.065
.361 -.237	1.122 -.018					
.396 -.174						
.438 -.119						
.487 -.015						
.518 .022	-.658 .046	-.022 .323	.024 .492	.025 .507	.019 .502	.020 .492
.556 .014	-.615 .063	.028 .257	.075 .334	.074 .311	.066 .305	.076 .272
.574 .017	-.572 .103	.101 .189	.137 .201	.130 .219	.136 .205	.136 .129
.593 -.005	-.462 .068	.185 .143	.213 .147	.214 .139	.214 .136	.221 .073
.632 -.011	-.329 .032	.289 .099	.297 .100	.298 .106	.489 .054	.295 .058
.670 -.019	-.172 .003	.398 .045	.400 .040	.397 .057	.594 .039	.396 .009
.747 -.082	-.030 -.008	.519 .045	.498 .046	.501 .034	.700 .101	.497 .036
.766 -.137	.128 .012	.620 .046	.604 .027	.603 .034	.786 .194	.597 .019
.785 -.199	.418 .022	.737 .107	.705 .099	.703 .106	.858 .251	.702 .069
.804 -.176	.564 .048	.831 .203	.785 .189	.784 .210	.919 .254	.786 .158
.823 -.177	.710 .122	.914 .211	.859 .243	.868 .259	.967 .125	.864 .207
.842 -.133	.857 .213	.586 .106	.922 .238	.923 .253		.912 .205
.861 -.080	.976 .199	1.012 -.002	.967 .120	.972 .132		.985 .016
.881 -.044	1.072 .164		1.000 -.018			
.900 -.013	1.110 .092					
.938 .030						
CN =	.6300	.6230	.6518	.6579	.6498	.5237
CM =	.1636	.0346	.0117	.0015	.0010	.0038

TABLE II-260 CONFIGURATION 136 M = 0.25, Q = 178 $\alpha = 8.06^\circ$ $C_L = 0.7277$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 .023						
.057 -.147						
.076 -.165						
.080 -.125	-.658 -.514	-.021 -2.200	.023 -2.718	.025 -1.875	.022 -2.560	.018 -2.058
.085 -.159	-.565 -.481	.035 -1.274	.068 -1.350	.079 -1.207	.075 -1.148	.077 -1.038
.093 -.123	-.452 -.519	.105 -.940	.134 -.928	.133 -.875	.129 -.843	.129 -.736
.113 -.048	-.211 -.504	.178 -.735	.209 -.678	.214 -.676	.201 -.664	.209 -.560
.115 .016	-.023 -.409	.286 -.576	.294 -.563	.295 -.530	.294 -.518	.293 -.425
.137 -.086	.133 -.322	.396 -.447	.404 -.470	.407 -.455	.397 -.443	.396 -.347
.138 -.025	.272 -.266	.514 -.346	.497 -.363	.502 -.379	.495 -.392	.494 -.328
.163 -.084	.416 -.234	.618 -.284	.599 -.337	.601 -.340	.594 -.332	.590 -.270
.162 -.078	.565 -.187	.733 -.198	.700 -.302	.698 -.330	.693 -.326	.693 -.278
.209 -.202	.713 -.144	.835 -.155	.782 -.232	.780 -.272	.784 -.296	.777 -.264
.247 -.297	.854 -.155	.919 -.064	.864 -.159	.863 -.220	.856 -.237	.861 -.219
.276 -.350	.980 -.110	.567 -.031	.926 -.115	.923 -.151	.926 -.162	.918 -.176
.324 -.298	1.074 -.069		.975 -.056	.977 -.064	.977 -.134	.972 -.066
.361 -.239	1.122 -.041					
.396 -.195						
.438 -.130						
.487 -.033						
.518 .015	-.658 .033	-.022 .272	.024 .495	.025 .526	.019 .531	.020 .519
.556 .012	-.615 .085	.038 .314	.075 .362	.074 .392	.066 .392	.076 .315
.574 .002	-.572 .106	.101 .256	.137 .241	.130 .269	.136 .268	.136 .202
.593 -.007	-.462 .077	.185 .167	.213 .161	.214 .178	.214 .174	.221 .101
.632 -.019	-.329 .055	.289 .126	.297 .140	.298 .149	.489 .062	.295 .079
.670 -.005	-.172 .012	.398 .073	.400 .076	.397 .088	.594 .056	.396 .033
.747 -.080	-.030 .021	.519 .035	.498 .045	.501 .075	.700 .120	.497 .015
.766 -.131	.128 .037	.620 .058	.604 .043	.603 .050	.786 .187	.597 .038
.785 -.198	.418 .050	.737 .115	.705 .096	.703 .112	.858 .260	.702 .087
.804 -.177	.564 .081	.831 .209	.785 .185	.784 .219	.919 .259	.786 .147
.823 -.186	.710 .142	.914 .214	.859 .245	.868 .275	.967 .135	.864 .220
.842 -.152	.857 .213	.586 .081	.922 .225	.923 .261		.912 .193
.861 -.082	.976 .219	1.012 -.015	.967 .121	.972 .124		.985 .012
.881 -.052	1.072 .154		1.000 -.018			
.900 -.011	1.110 .096					
.938 .033						
CN =	.7050	.6942	.7236	.7080	.7273	.5887
CM =	.1862	.0492	.0278	.0059	.0126	.0153

~~CONFIDENTIAL~~

TABLE II-261 CONFIGURATION 136 M = 0.25 Q = 178 $\alpha = 9.08^\circ$ $C_L = 0.8086$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.018												
.057	-.133												
.076	-.186												
.080	-.125	-.658	-.559	-.021	-2.743	.023	-3.169	.025	-1.921	.022	-3.060	.018	-2.527
.085	-.160	-.565	-.526	.025	-1.455	.068	-1.540	.079	-1.326	.075	-1.281	.077	-1.143
.093	-.128	-.452	-.586	.165	-.999	.134	-1.015	.133	-.995	.129	-.952	.129	-.815
.113	-.049	-.311	-.534	.178	-.822	.209	-.739	.214	-.709	.201	-.731	.209	-.617
.115	-.003	-.023	-.445	.286	-.595	.294	-.608	.295	-.576	.294	-.554	.293	-.452
.137	-.076	.133	-.346	.396	-.481	.404	-.470	.407	-.489	.397	-.479	.396	-.382
.138	-.025	.272	-.292	.514	-.377	.497	-.387	.502	-.397	.495	-.388	.494	-.311
.163	-.092	.416	-.256	.618	-.274	.599	-.348	.601	-.367	.594	-.348	.590	-.283
.162	-.085	.565	-.193	.733	-.215	.700	-.268	.698	-.322	.693	-.316	.693	-.269
.209	-.217	.713	-.173	.835	-.138	.782	-.244	.780	-.250	.784	-.279	.777	-.235
.247	-.312	.854	-.164	.919	-.091	.864	-.179	.863	-.218	.856	-.221	.861	-.202
.276	-.334	.980	-.126	.987	-.061	.926	-.105	.923	-.126	.926	-.123	.918	-.149
.324	-.310	1.074	-.072			.975	-.072	.977	-.075	.977	-.123	.972	-.069
.361	-.248	1.122	-.018										
.396	-.184												
.438	-.145												
.487	-.027												
LOWER SURFACE													
.518	.003	-.658	.023	-.022	.196	.024	.478	.025	.529	.019	.497	.020	.509
.556	.013	-.615	.097	.038	.369	.075	.407	.074	.439	.066	.433	.076	.371
.574	.013	-.572	.113	.101	.271	.137	.289	.130	.305	.136	.301	.136	.224
.593	-.008	-.462	.094	.185	.216	.213	.223	.214	.251	.214	.229	.221	.141
.632	.005	-.325	.103	.289	.155	.297	.152	.298	.185	.489	-.107	.295	.107
.670	-.007	-.172	.040	.398	.092	.400	.101	.397	.116	.594	.064	.396	.048
.747	-.379	-.030	.056	.519	.088	.498	.385	.501	.090	.700	.127	.497	.053
.766	-.128	.128	.048	.620	.081	.604	.054	.603	.054	.786	.204	.597	.034
.785	-.190	.418	.083	.737	.140	.705	.113	.703	.132	.858	.259	.702	.094
.804	-.177	.564	.086	.831	.212	.785	.189	.784	.228	.919	.272	.786	.166
.823	-.171	.710	.157	.914	.213	.859	.233	.868	.273	.967	.119	.864	.204
.842	-.143	.857	.232	.986	.388	.922	.234	.923	.261			.912	.199
.861	-.093	.976	.228	1.012	-.040	.967	.094	.972	.114			.985	-.002
.681	-.047	1.072	.173										
.900	-.008	1.110	.093			1.000	-.041						
.938	.025												
CM =		.7890		.7776		.7888		.7579		.7976		.6424	
CM =		.2123		.0558		.0417		.0125		.0277		.0297	

TABLE II-262 CONFIGURATION 136 M = 0.25 Q = 178 $\alpha = 10.08^\circ$ $C_L = 0.8852$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.015												
.057	-.154												
.076	-.173												
.080	-.124	-.658	-.640	-.021	-3.044	.023	-3.257	.025	-2.116	.022	-2.666	.018	-.886
.085	-.171	-.565	-.600	.035	-1.581	.068	-1.713	.079	-1.475	.075	-1.885	.077	-.830
.093	-.124	-.452	-.614	.105	-1.106	.134	-1.169	.133	-1.069	.129	-1.118	.129	-.938
.113	-.054	-.311	-.575	.178	-.891	.209	-.821	.214	-.758	.201	-.724	.209	-.809
.115	-.006	-.023	-.462	.286	-.664	.294	-.681	.295	-.634	.294	-.485	.293	-.758
.137	-.079	.133	-.376	.396	-.524	.404	-.493	.407	-.493	.397	-.425	.396	-.683
.138	-.055	.272	-.320	.514	-.375	.497	-.436	.502	-.423	.495	-.331	.494	-.571
.163	-.107	.416	-.280	.618	-.292	.599	-.361	.601	-.366	.594	-.349	.590	-.483
.162	-.083	.565	-.240	.733	-.244	.700	-.284	.698	-.304	.693	-.277	.693	-.411
.209	-.229	.713	-.197	.835	-.147	.782	-.246	.780	-.268	.784	-.252	.777	-.338
.247	-.322	.854	-.143	.919	-.102	.864	-.156	.863	-.184	.856	-.210	.861	-.307
.276	-.346	.980	-.137	.987	-.078	.926	-.101	.923	-.129	.926	-.110	.918	-.186
.324	-.335	1.074	-.066			.975	-.080	.977	-.103	.977	-.108	.972	-.193
.361	-.258	1.122	-.021										
.396	-.202												
.438	-.141												
.487	-.035												
LOWER SURFACE													
.518	-.006	-.658	.023	-.022	.124	.024	.456	.025	.517	.019	.469	.020	.471
.556	.031	-.615	.096	.038	.372	.075	.430	.074	.446	.066	.475	.076	.416
.574	.013	-.572	.123	.101	.321	.137	.318	.130	.341	.136	.347	.136	.261
.593	-.007	-.462	.131	.185	.243	.213	.261	.214	.282	.214	.264	.221	.191
.632	-.002	-.325	.104	.289	.169	.297	.177	.298	.188	.489	.117	.295	.124
.670	-.011	-.172	.074	.398	.134	.400	.127	.397	.151	.594	.065	.396	.058
.747	-.078	-.030	.067	.519	.103	.498	.093	.501	.106	.700	.145	.497	.058
.766	-.130	.128	.081	.620	.066	.604	.063	.603	.069	.786	.201	.597	.023
.785	-.183	.418	.077	.737	.144	.705	.119	.703	.132	.858	.244	.702	.089
.804	-.186	.564	.102	.831	.213	.785	.191	.784	.208	.919	.261	.786	.154
.823	-.181	.710	.172	.914	.214	.859	.241	.868	.264	.967	.111	.864	.191
.842	-.142	.857	.229	.986	.071	.922	.231	.923	.264			.912	.200
.861	-.101	.976	.240	1.012	-.076	.967	.090	.972	.095			.985	-.019
.881	-.052	1.072	.183			1.000	-.060						
.900	-.021	1.110	.094										
.938	.023												
CM =		.8627		.8436		.8439		.8011		.8070		.7186	
CM =		.2398		.0685		.0476		.0213		.0389		-.0198	

~~CONFIDENTIAL~~

TABLE II-263 CONFIGURATION 136 M = 0.25 Q = 178 $\alpha = 11.10^\circ$ $C_L = 0.9547$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	-.008												
.057	-.165												
.076	-.194												
.080	-.147	-.658	-.702	-.021	-3.531	.023	-3.344	.025	-2.372	.022	-1.988	.018	-.787
.085	-.171	-.565	-.646	.035	-1.745	.068	-1.829	.079	-1.584	.075	-1.907	.077	-.803
.093	-.144	-.452	-.666	.105	-1.167	.134	-1.227	.133	-1.130	.129	-1.946	.129	-.732
.113	-.072	-.311	-.612	.178	-.900	.209	-.879	.214	-.876	.201	-1.737	.209	-.657
.115	-.019	-.023	-.483	.286	-.690	.294	-.683	.295	-.689	.294	-1.281	.293	-.627
.137	-.097	.133	-.399	.396	-.528	.404	-.507	.407	-.588	.397	-.343	.396	-.602
.138	-.067	.272	-.327	.514	-.421	.497	-.434	.502	-.463	.495	-.337	.494	-.520
.163	-.117	.416	-.275	.618	-.330	.599	-.348	.601	-.382	.594	-.244	.590	-.488
.162	-.116	.565	-.256	.733	-.256	.700	-.260	.698	-.316	.693	-.211	.693	-.425
.209	-.240	.713	-.184	.835	-.181	.782	-.215	.780	-.243	.784	-.224	.777	-.401
.247	-.327	.854	-.170	.919	-.122	.864	-.155	.863	-.192	.856	-.214	.861	-.361
.276	-.351	.980	-.106	.987	-.095	.926	-.102	.923	-.156	.926	-.165	.918	-.381
.324	-.335	1.074	-.067			.975	-.102	.977	-.119	.977	-.118	.972	-.320
.361	-.276	1.122	-.008										
.396	-.210												
.438	-.143												
.487	-.039												
LOWER SURFACE													
.518	-.013	-.658	-.011	-.022	.037	.024	.392	.025	.468	.019	.409	.020	.501
.556	.002	-.615	.086	.038	.387	.075	.482	.074	.495	.066	.497	.076	.441
.574	.007	-.572	.124	.101	.334	.137	.348	.130	.385	.136	.362	.136	.292
.593	-.018	-.462	.135	.185	.281	.213	.295	.214	.288	.214	.279	.221	.125
.632	-.012	-.329	.140	.289	.212	.297	.218	.298	.237	.489	.128	.295	.143
.670	-.011	-.172	.087	.398	.139	.400	.144	.397	.150	.594	.066	.396	.087
.747	-.078	-.030	.087	.519	.114	.498	.118	.501	.123	.700	.127	.497	.077
.766	-.140	.128	.107	.620	.086	.604	.067	.603	.074	.786	.198	.597	.035
.785	-.194	.418	.106	.737	.144	.705	.112	.703	.136	.858	.245	.702	.087
.804	-.184	.564	.123	.831	.214	.785	.193	.784	.209	.919	.249	.786	.155
.823	-.183	.710	.185	.914	.209	.859	.223	.868	.258	.967	.100	.864	.182
.842	-.152	.857	.262	.986	.066	.922	.215	.923	.241			.912	.175
.861	-.110	.976	.258	1.012	-.090	.967	.076	.972	.082			.985	-.047
.881	-.063	1.072	.195			1.000	-.101						
.900	-.023	1.110	.109										
.938	.012												
CN =		.9276		.9101		.8735		.8650		.9678		.6936	
CH =		.2616		.0751		.0566		.0287		.0616		-.0392	

TABLE II-264 CONFIGURATION 136 M = 0.25 Q = 178 $\alpha = 11.37^\circ$ $C_L = 0.9767$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.005												
.057	-.171												
.076	-.195												
.080	-.141	-.658	-.739	-.021	-3.649	.023	-3.376	.025	-2.422	.022	-1.981	.018	-.746
.085	-.166	-.565	-.666	.035	-1.767	.068	-1.897	.079	-1.576	.075	-1.176	.077	-.546
.093	-.141	-.452	-.691	.105	-1.203	.134	-1.201	.133	-1.662	.129	-1.752	.129	-.498
.113	-.062	-.311	-.605	.178	-.933	.209	-.910	.214	-.862	.201	-1.513	.209	-.636
.115	-.014	-.023	-.499	.286	-.656	.294	-.691	.295	-.689	.294	-1.122	.293	-.602
.137	-.086	.133	-.391	.396	-.558	.404	-.544	.407	-.485	.397	-.413	.396	-.562
.138	-.064	.272	-.329	.514	-.417	.497	-.437	.502	-.465	.495	-.4678	.494	-.580
.163	-.097	.416	-.298	.618	-.331	.599	-.342	.601	-.367	.594	-.671	.590	-.472
.162	-.121	.565	-.258	.733	-.245	.700	-.280	.698	-.311	.693	-.631	.693	-.433
.209	-.237	.713	-.186	.835	-.194	.782	-.201	.780	-.256	.784	-.397	.777	-.354
.247	-.325	.854	-.172	.919	-.132	.864	-.150	.863	-.181	.856	-.198	.861	-.378
.276	-.361	.980	-.108	.987	-.083	.926	-.136	.923	-.170	.926	-.414	.918	-.368
.324	-.329	1.074	-.060			.975	-.107	.977	-.130	.977	-.141	.972	-.309
.361	-.283	1.122	-.009										
.396	-.226												
.438	-.150												
.487	-.040												
LOWER SURFACE													
.518	-.003	-.658	.002	-.022	-.010	.024	.420	.025	.523	.019	.550	.020	.533
.556	.007	-.615	.087	.038	.387	.075	.471	.074	.501	.066	.497	.076	.403
.574	-.003	-.572	.136	.101	.366	.137	.388	.130	.396	.136	.380	.136	.285
.593	-.002	-.462	.138	.185	.289	.213	.285	.214	.301	.214	.244	.221	.208
.632	-.024	-.329	.147	.289	.225	.297	.230	.298	.248	.489	.086	.295	.138
.670	-.007	-.172	.100	.398	.167	.400	.165	.397	.164	.594	.073	.396	.026
.747	-.090	-.030	.106	.519	.115	.498	.104	.501	.130	.700	.131	.497	-.001
.766	-.127	.128	.118	.620	.119	.604	.086	.603	.087	.786	.176	.597	-.018
.785	-.197	.418	.122	.737	.148	.705	.125	.703	.145	.858	.238	.702	.024
.804	-.189	.564	.133	.831	.222	.785	.188	.784	.213	.919	.243	.786	.084
.823	-.181	.710	.191	.914	.234	.859	.243	.868	.265	.967	.000	.864	.147
.842	-.167	.857	.270	.986	.048	.922	.213	.923	.254			.912	.162
.861	-.104	.976	.262	1.012	-.095	.967	.066	.972	.086			.985	-.149
.881	-.075	1.072	.203			1.000	-.099						
.900	-.035	1.110	.118										
.938	.013												
CN =		.9582		.9384		.8944		.9031		1.0201		.6204	
CH =		.2703		.0768		.0568		.0370		.0072		-.0333	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-265 CONFIGURATION 136 M = 0.25 Q = 178 $\alpha = 11.61^\circ$ $C_L = 0.9895$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	-.004												
.057	-.165												
.076	-.192												
.080	-.151	-.658	-.765	-.021	-3.697	.023	-3.302	.025	-2.855	.022	-.927	.018	-.565
.085	-.182	-.565	-.655	.035	-1.818	.068	-1.884	.079	-1.596	.075	-.955	.077	-.564
.093	-.144	-.452	-.687	.105	-1.161	.134	-1.261	.133	-1.437	.129	-.980	.129	-.657
.113	-.065	-.311	-.618	.178	-.961	.209	-.894	.214	-.899	.201	-.849	.209	-.511
.115	-.033	-.023	-.481	.286	-.716	.294	-.717	.295	-.639	.294	-1.364	.293	-.606
.137	-.077	.133	-.395	.396	-.571	.404	-.549	.407	-.553	.397	-.749	.396	-.514
.138	-.054	.272	-.362	.514	-.421	.497	-.438	.502	-.466	.495	-.871	.494	-.496
.163	-.118	.416	-.290	.618	-.352	.599	-.360	.601	-.347	.594	-.702	.590	-.413
.162	-.126	.505	-.253	.733	-.270	.700	-.266	.698	-.310	.693	-.221	.693	-.403
.209	-.252	.713	-.218	.835	-.166	.782	-.202	.780	-.258	.784	-.593	.777	-.425
.247	-.334	.854	-.171	.919	-.138	.864	-.148	.863	-.189	.856	-.530	.861	-.376
.276	-.361	.980	-.133	.987	-.107	.926	-.123	.923	-.108	.926	-.169	.918	-.358
.324	-.380	1.074	-.070			.975	-.111	.977	-.141	.977	-.244	.972	-.326
.361	-.286	1.122	-.016										
.396	-.207												
.438	-.154												
.487	-.038												
.518	-.024	-.658	-.009	-.022	-.022	.024	.397	.025	.528	.019	.524	.020	.515
.556	.007	-.615	.081	.038	.392	.075	.481	.074	.494	.066	.480	.076	.321
.574	.007	-.572	.134	.101	.352	.137	.375	.130	.400	.136	.328	.136	.212
.593	-.028	-.462	.140	.185	.287	.213	.298	.214	.305	.214	.266	.221	.153
.632	-.008	-.329	.123	.289	.218	.297	.220	.298	.225	.489	.091	.295	.084
.670	-.011	-.172	.103	.398	.166	.400	.150	.397	.171	.594	.005	.396	.058
.747	-.091	-.030	.096	.519	.133	.498	.121	.501	.128	.700	.068	.497	-.002
.766	-.135	.128	.097	.620	.087	.604	.085	.603	.083	.786	.188	.597	.041
.785	-.192	.418	.126	.737	.160	.705	.118	.703	.150	.858	.161	.702	.089
.864	-.181	.554	.137	.831	.225	.785	.195	.784	.217	.919	.153	.786	.084
.823	-.188	.710	.197	.914	.214	.859	.234	.868	.281	.967	-.037	.864	.148
.842	-.158	.857	.260	.986	.057	.922	.206	.923	.253			.912	.127
.861	-.119	.976	.255	1.012	-.123	.967	.064	.972	.139			.985	-.183
.881	-.070	1.072	.194			1.000	-.121						
.900	-.026	1.110	.104										
.938	.005												
CN =		.9573		.9492		.8933		.9157		.8982		.5894	
CM =		.2650		.0757		.0568		.0404		-.0266		-.0390	

TABLE II-266 CONFIGURATION 136 M = 0.25 Q = 178 $\alpha = 12.14^\circ$ $C_L = 1.0255$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	-.017												
.057	-.182												
.076	-.202												
.080	-.152	-.658	-.820	-.021	-3.845	.023	-3.465	.025	-2.035	.022	-.833	.018	-.443
.085	-.172	-.555	-.710	.035	-1.812	.068	-1.938	.079	-2.055	.075	-.888	.077	-.458
.093	-.151	-.452	-.713	.105	-1.293	.134	-1.284	.133	-2.322	.129	-.796	.129	-.520
.113	-.067	-.311	-.635	.178	-.965	.209	-.958	.214	-1.832	.201	-.784	.209	-.446
.115	-.025	-.023	-.511	.286	-.765	.294	-.766	.295	-1.640	.294	-.662	.293	-.429
.137	-.160	.133	-.420	.356	-.570	.404	-.586	.407	-.398	.397	-.749	.396	-.407
.138	-.078	.272	-.365	.514	-.467	.497	-.452	.502	-.297	.495	-.665	.494	-.411
.163	-.124	.416	-.335	.618	-.400	.599	-.366	.601	-.281	.594	-.718	.590	-.360
.162	-.137	.565	-.297	.723	-.261	.700	-.273	.698	-.190	.693	-.629	.693	-.344
.209	-.246	.713	-.208	.825	-.196	.782	-.201	.780	-.179	.784	-.570	.777	-.312
.247	-.326	.854	-.195	.919	-.120	.864	-.172	.863	-.157	.856	-.542	.861	-.340
.276	-.384	.980	-.107	.987	-.085	.926	-.187	.923	-.148	.926	-.507	.918	-.323
.324	-.343	1.074	-.056			.975	-.126	.977	-.054	.977	-.475	.972	-.290
.361	-.272	1.122	-.027										
.396	-.228												
.438	-.146												
.487	-.053												
.518	-.003	-.658	-.025	-.022	-.048	.024	.373	.025	.530	.019	.549	.020	.511
.556	-.004	-.615	.077	.038	.391	.075	.513	.074	.509	.066	.442	.076	.311
.574	-.011	-.572	.124	.101	.361	.137	.388	.130	.409	.136	.330	.136	.210
.593	-.009	-.462	.151	.185	.287	.213	.301	.214	.299	.214	.251	.221	.117
.632	-.017	-.329	.148	.289	.234	.297	.251	.298	.239	.489	.050	.295	.082
.670	-.006	-.172	.122	.398	.174	.400	.175	.397	.176	.594	.019	.396	.013
.747	-.091	-.030	.097	.519	.114	.498	.130	.501	.126	.700	.041	.497	-.011
.766	-.133	.128	.127	.620	.134	.604	.085	.603	.094	.786	.090	.597	-.031
.785	-.197	.418	.120	.737	.149	.705	.118	.703	.135	.858	.170	.702	.007
.864	-.181	.564	.156	.831	.233	.785	.182	.784	.225	.919	.139	.786	.075
.823	-.194	.710	.203	.914	.221	.859	.237	.868	.278	.967	-.090	.864	.144
.842	-.173	.857	.290	.986	.051	.922	.203	.923	.262			.912	.124
.861	-.112	.976	.267	1.012	-.134	.967	.056	.972	.132			.985	-.193
.881	-.079	1.072	.194			1.000	-.136						
.900	-.038	1.110	.125										
.938	.007												
CN =		1.0171		.9846		.9345		1.0719		.8312		.4750	
CM =		.2812		.0793		.0581		.0763		-.0590		-.0286	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-287 CONFIGURATION 136 M = 0.25 Q = 178 $\alpha = 12.65^\circ$ $C_L = 1.0584$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
UPPER SURFACE						
.019 -.013						
.057 -.171						
.076 -.194						
.080 -.156	-.658 -.859	-.021 -3.990	.023 -3.729	.025 -1.273	.022 -.662	.018 -.439
.085 -.183	-.565 -.722	.035 -1.978	.068 -2.020	.079 -1.826	.075 -.793	.077 -.409
.093 -.162	-.452 -.728	.105 -1.347	.134 -1.369	.133 -1.439	.129 -.757	.129 -.423
.113 -.061	-.311 -.670	.178 -1.019	.209 -1.038	.214 -1.592	.201 -.764	.209 -.442
.115 -.040	-.023 -.528	.286 -.810	.294 -.785	.295 -1.658	.294 -.633	.293 -.435
.137 -.091	.133 -.430	.396 -.636	.404 -.594	.407 -1.214	.397 -.685	.396 -.387
.138 -.074	.272 -.389	.514 -.475	.497 -.454	.502 -.662	.495 -.596	.494 -.372
.163 -.118	.416 -.333	.618 -.358	.599 -.356	.601 -.440	.594 -.622	.590 -.371
.162 -.139	.565 -.269	.733 -.289	.700 -.276	.698 -.255	.693 -.680	.693 -.354
.209 -.256	.713 -.222	.835 -.207	.782 -.255	.780 -.317	.784 -.560	.777 -.328
.247 -.340	.854 -.193	.919 -.147	.864 -.179	.863 -.184	.856 -.546	.861 -.327
.276 -.374	.980 -.118	.987 -.100	.926 -.163	.923 -.157	.926 -.495	.918 -.309
.324 -.349	1.074 -.066		.975 -.151	.977 -.116	.977 -.463	.972 -.306
.361 -.288	1.122 -.021					
.396 -.235						
.438 -.159						
.467 -.053						
LOWER SURFACE						
.518 -.013	-.658 -.033	-.022 -.207	.024 .335	.025 .534	.019 .536	.020 .504
.556 .011	-.615 .085	.038 .398	.075 .499	.074 .525	.066 .457	.076 .306
.574 .001	-.572 .138	.101 .381	.137 .413	.130 .408	.136 .332	.136 .199
.593 -.010	-.462 .159	.185 .307	.213 .323	.214 .321	.214 .248	.221 .113
.632 -.016	-.329 .164	.289 .257	.297 .266	.298 .251	.489 .046	.295 .056
.670 -.008	-.172 .111	.398 .202	.400 .187	.397 .171	.594 .001	.396 .018
.747 -.090	-.030 .129	.519 .143	.498 .129	.501 .131	.700 .037	.497 -.007
.766 -.129	.128 .148	.620 .133	.604 .090	.603 .082	.786 .099	.597 -.028
.785 -.200	.418 .136	.737 .163	.705 .123	.703 .138	.858 .162	.702 .020
.804 -.189	.564 .163	.831 .229	.785 .195	.784 .218	.919 .152	.786 .078
.823 -.185	.710 .207	.914 .224	.859 .229	.868 .248	.967 -.097	.864 .133
.842 -.174	.857 .279	.986 .043	.922 .212	.923 .202		.912 .119
.861 -.109	.976 .268	1.012 -.123	.967 .045	.972 .048		.985 -.191
.881 -.077	1.072 .199		1.000 -.150			
.900 -.042	1.110 .124					
.938 .011						
CN =	1.0543	1.0357	.9751	1.0936	.7886	.4602
CM =	.2974	.0801	.0630	.0268	-.0606	-.0317

TABLE II-288 CONFIGURATION 136 M = 0.25 Q = 178 $\alpha = 13.25^\circ$ $C_L = 1.0960$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
UPPER SURFACE						
.019 -.020						
.057 -.191						
.076 -.205						
.080 -.169	-.658 -.914	-.021 -4.139	.023 -4.075	.025 -1.171	.022 -.655	.018 -.410
.085 -.191	-.565 -.789	.035 -2.038	.068 -2.299	.079 -1.242	.075 -.666	.077 -.397
.093 -.161	-.452 -.769	.105 -1.369	.134 -1.344	.133 -1.235	.129 -.635	.129 -.372
.113 -.077	-.311 -.717	.178 -1.077	.209 -1.068	.214 -1.147	.201 -.578	.209 -.377
.115 -.031	-.023 -.543	.286 -.809	.294 -.769	.295 -1.225	.294 -.624	.293 -.397
.137 -.087	.133 -.466	.396 -.690	.404 -.595	.407 -1.363	.397 -.583	.396 -.331
.138 -.096	.272 -.432	.514 -.493	.497 -.537	.502 -1.072	.495 -.636	.494 -.341
.163 -.128	.416 -.337	.618 -.411	.599 -.408	.601 -1.083	.594 -.568	.590 -.338
.162 -.166	.565 -.308	.733 -.299	.700 -.322	.698 -.861	.693 -.533	.693 -.344
.209 -.282	.713 -.236	.835 -.213	.782 -.268	.780 -.794	.784 -.535	.777 -.316
.247 -.360	.854 -.177	.919 -.170	.864 -.234	.863 -.653	.856 -.501	.861 -.321
.276 -.391	.980 -.129	.987 -.213	.926 -.175	.923 -.477	.926 -.527	.918 -.331
.324 -.363	1.074 -.061		.975 -.188	.977 -.197	.977 -.473	.972 -.293
.361 -.290	1.122 -.025					
.396 -.247						
.438 -.157						
.467 -.037						
LOWER SURFACE						
.518 -.016	-.658 -.044	-.022 -.274	.024 .321	.025 .541	.019 .537	.020 .519
.556 .002	-.615 .070	.038 .397	.075 .517	.074 .516	.066 .452	.076 .322
.574 -.009	-.572 .137	.101 .401	.137 .439	.130 .424	.136 .334	.136 .206
.593 -.014	-.462 .164	.185 .357	.213 .340	.214 .328	.214 .257	.221 .130
.632 -.016	-.329 .167	.289 .268	.297 .273	.298 .241	.489 .062	.295 .070
.670 -.032	-.172 .152	.398 .218	.400 .203	.397 .187	.594 -.013	.396 .032
.747 -.102	-.030 .150	.519 .167	.498 .140	.501 .120	.700 .044	.497 -.003
.766 -.144	.128 .129	.620 .150	.604 .107	.603 .083	.786 .090	.597 -.033
.785 -.203	.418 .147	.737 .181	.705 .129	.703 .134	.858 .157	.702 .017
.804 -.191	.564 .166	.831 .220	.785 .191	.784 .178	.919 .147	.786 .072
.823 -.183	.710 .219	.914 .233	.859 .239	.868 .219	.967 -.098	.864 .144
.842 -.184	.857 .289	.986 .050	.922 .226	.923 .219		.912 .119
.861 -.122	.976 .277	1.012 -.141	.967 .065	.972 -.072		.985 -.197
.881 -.079	1.072 .206		1.000 -.141			
.900 -.051	1.110 .128					
.938 .003						
CN =	1.1139	1.0789	1.0421	1.2226	.7312	.4380
CM =	.3194	.0802	.0628	-.0761	-.0590	-.0308

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-269 CONFIGURATION 138 M = 0.25 Q = 178 $\alpha = 8.25^\circ$ C _L = 0.7335 $\beta = 0^\circ$													
STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
.019	.028												
UPPER SURFACE													
.057	-.123												
.076	-.174	-.658	-.479	-.021	-2.403	.023	-2.832	.025	-1.989	.022	-2.641	.018	-2.158
.080	-.104	-.565	-.553	.035	-1.276	.068	-1.406	.079	-1.166	.075	-1.200	.077	-1.020
.085	-.122	-.452	-.515	.105	-.958	.134	-.885	.133	-.870	.129	-.874	.129	-.753
.093	-.078	-.311	-.498	.178	-.761	.209	-.715	.214	-.683	.201	-.662	.209	-.539
.113	-.090	-.023	-.400	.286	-.582	.294	-.591	.295	-.529	.294	-.519	.293	-.445
.115	-.057	.133	-.345	.396	-.447	.404	-.427	.407	-.448	.397	-.434	.396	-.356
.137	-.088	.272	-.257	.514	-.352	.497	-.406	.502	-.407	.495	-.369	.494	-.289
.138	-.077	.416	-.220	.618	-.277	.599	-.351	.601	-.334	.594	-.329	.590	-.291
.163	-.120	.565	-.193	.733	-.193	.700	-.279	.698	-.312	.693	-.328	.693	-.281
.162	-.078	.713	-.150	.835	-.149	.782	-.259	.780	-.298	.784	-.278	.777	-.251
.209	-.248	.854	-.120	.919	-.085	.864	-.200	.863	-.220	.856	-.220	.861	-.227
.247	-.315	.980	-.111	.987	-.024	.926	-.105	.923	-.142	.926	-.150	.918	-.166
.276	-.306	1.074	-.053			.975	-.061	.977	-.073	.977	-.099	.972	-.066
.324	-.322	1.122	-.025										
.361	-.257												
LOWER SURFACE													
.396	-.194	-.658	-.002	-.022	.296	.024	.526	.025	.516	.019	.520	.020	.513
.438	-.152	-.615	.099	.038	.342	.075	.348	.074	.372	.066	.384	.076	.337
.487	-.035	-.572	.118	.101	.241	.137	.233	.130	.277	.136	.248	.136	.232
.518	.004	-.462	.082	.185	.169	.213	.186	.214	.188	.214	.193	.221	.132
.556	.005	-.329	.080	.289	.138	.297	.128	.298	.148	.292	.127	.295	.083
.574	.018	-.172	.037	.519	.050	.400	.085	.397	.092	.489	.090	.396	.048
.593	-.006	-.030	.002	.620	.066	.498	.066	.501	.057	.594	.053	.497	.037
.670	-.009	.128	.033	.737	.160	.604	.029	.603	.046	.700	.107	.597	.005
.708	-.021	.418	.051	.831	.196	.705	.097	.703	.122	.786	.196	.702	.081
.747	-.077	.564	.082	.914	.235	.785	.202	.784	.203	.858	.264	.786	.152
.785	-.179	.710	.140	.986	.071	.859	.247	.868	.266	.919	.246	.864	.185
.804	-.173	.857	.216	1.012	-.025	.967	.115	.923	.258	.967	.111	.912	.196
.823	-.167	.976	.229			1.000	-.038	.972	.090			.985	.024
.861	-.089	1.072	.160										
.900	-.015	1.110	.082										
.938	.015												
CN =			.7076		.7188		.7371		.7087		.7271		.5941
CM =			.1956		.0532		.0312		.0086		.0177		.0186

TABLE II-270 CONFIGURATION 138 M = 0.25 Q = 178 $\alpha = 10.32^\circ$ C _L = 0.8949 $\beta = 0^\circ$													
STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
UPPER SURFACE													
.019	.032												
.057	-.155												
.076	-.204	-.658	-.580	-.021	-3.067	.023	-3.100	.025	-2.088	.022	-3.094	.018	-1.458
.080	-.095	-.565	-.690	.035	-1.626	.068	-1.700	.079	-1.490	.075	-1.974	.077	-.977
.085	-.151	-.452	-.651	.105	-1.143	.134	-1.103	.133	-1.083	.129	-1.241	.129	-.909
.093	-.106	-.311	-.547	.178	-.883	.209	-.853	.214	-.765	.201	-.789	.209	-1.073
.113	-.076	-.023	-.490	.286	-.686	.294	-.643	.295	-.632	.294	-.613	.293	-.889
.115	-.081	.133	-.357	.396	-.502	.404	-.507	.407	-.510	.397	-.503	.396	-.542
.137	-.089	.272	-.325	.514	-.383	.497	-.429	.502	-.413	.495	-.420	.494	-.586
.138	-.085	.416	-.250	.618	-.312	.599	-.320	.601	-.370	.594	-.342	.590	-.389
.163	-.140	.565	-.227	.733	-.216	.700	-.284	.698	-.299	.693	-.310	.693	-.365
.162	-.106	.713	-.205	.835	-.176	.782	-.218	.780	-.273	.784	-.282	.777	-.361
.209	-.250	.854	-.164	.919	-.128	.864	-.131	.863	-.187	.856	-.195	.861	-.265
.247	-.337	.980	-.108	.987	-.078	.926	-.119	.923	-.117	.926	-.128	.918	-.222
.276	-.334	1.074	-.064			.975	-.086	.977	-.088	.977	-.105	.972	-.189
.324	-.307	1.122	-.016										
.361	-.274												
LOWER SURFACE													
.396	-.200	-.658	.026	-.022	.105	.024	.479	.025	.492	.019	.439	.020	.458
.438	-.143	-.615	.095	.038	.397	.075	.449	.074	.450	.066	.458	.076	.406
.487	-.047	-.572	.121	.101	.345	.137	.353	.130	.345	.136	.345	.136	.287
.518	.008	-.462	.138	.185	.245	.213	.265	.214	.275	.214	.268	.221	.191
.556	.007	-.329	.088	.289	.215	.297	.214	.298	.201	.292	.181	.295	.138
.574	.009	-.172	.051	.519	.082	.400	.155	.397	.143	.489	.121	.396	.083
.593	-.010	-.030	.081	.620	.110	.498	.090	.501	.105	.594	.087	.497	.056
.670	.002	.128	.065	.737	.162	.604	.065	.603	.064	.700	.121	.597	.018
.708	-.019	.418	.100	.831	.223	.705	.134	.703	.133	.786	.194	.702	.095
.747	-.071	.564	.109	.914	.236	.785	.188	.784	.201	.858	.254	.786	.135
.785	-.177	.710	.191	.986	.071	.859	.246	.868	.260	.919	.244	.864	.172
.804	-.182	.857	.263	1.012	-.050	.967	.087	.923	.245	.967	.102	.912	.198
.823	-.159	.976	.251			1.000	-.092	.972	.077			.985	-.025
.861	-.099	1.072	.184										
.900	-.025	1.110	.107										
.938	.018												
CN =			.8737		.8692		.8373		.7976		.8720		.7617
CM =			.2401		.0668		.0505		.0235		.0458		.0003

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-271 CONFIGURATION 138 M = 0.25 Q = 178 $\alpha = 12.38^{\circ}$ $C_L = 1.0509$ $\beta = 0^{\circ}$													
	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP	
UPPER SURFACE													
.044 CP .003													
-.180													
-.192	-.658	-.745	-.021	-3.910	.023	-3.144	.025	-2.512	.022	-1.120	.018	-.511	
-.123	-.565	-.819	.035	-1.935	.068	-1.971	.079	-1.447	.075	-1.099	.077	-.593	
-.170	-.452	-.714	.105	-1.318	.134	-1.246	.133	-1.066	.129	-1.511	.129	-.614	
-.102	-.311	-.665	.178	-1.014	.209	-.986	.214	-.947	.201	-1.553	.209	-.512	
-.104	-.023	-.506	.286	-.759	.294	-.813	.295	-.935	.294	-1.148	.293	-.543	
-.107	.133	-.431	.396	-.618	.404	-.582	.407	-.495	.397	-1.119	.396	-.498	
-.104	.272	-.381	.514	-.495	.497	-.462	.502	-.599	.495	-.861	.494	-.435	
-.128	.416	-.336	.618	-.405	.599	-.355	.601	-.442	.594	-.823	.590	-.423	
-.152	.565	-.280	.733	-.302	.700	-.259	.698	-.323	.693	-.603	.693	-.431	
-.133	.713	-.222	.835	-.229	.782	-.210	.780	-.292	.784	-.607	.777	-.349	
-.287	.854	-.152	.919	-.180	.864	-.173	.863	-.243	.856	-.431	.861	-.399	
-.367	.980	-.115	.987	-.133	.926	-.149	.923	-.169	.926	-.293	.918	-.381	
-.344	1.074	-.068			.975	-.132	.977	-.176	.977	-.188	.972	-.331	
-.347	1.122	-.001											
-.303					LOWER SURFACE								
-.220	-.658	-.020	-.022	-.143	.024	.381	.025	.460	.019	.423	.020	.511	
-.168	-.615	.081	.038	.421	.075	.517	.074	.504	.066	.488	.076	.409	
-.048	-.572	.142	.101	.378	.137	.406	.130	.436	.136	.377	.136	.299	
-.002	-.462	.175	.185	.307	.213	.334	.214	.311	.214	.292	.221	.204	
.009	-.329	.139	.289	.272	.297	.272	.298	.253	.292	.182	.295	.142	
-.005	-.172	.124	.519	.144	.400	.194	.397	.189	.489	.133	.396	.081	
-.012	-.030	.105	.620	.128	.498	.137	.501	.113	.594	.080	.497	.064	
-.009	.128	.124	.737	.187	.604	.091	.603	.073	.700	.125	.597	.017	
-.024	.418	.137	.831	.227	.705	.122	.703	.139	.786	.170	.702	.067	
-.076	.564	.145	.914	.247	.785	.198	.784	.195	.858	.239	.786	.111	
-.171	.710	.216	.986	.060	.859	.238	.868	.240	.919	.230	.864	.129	
-.186	.857	.281	1.012	-.090	.967	.056	.923	.234	.967	.041	.912	.109	
-.174	.976	.274			1.000	-.159	.972	.054			.985	-.223	
-.111	1.072	.211											
-.024	1.110	.118											
.003													
		1.0368		1.0406		.9313		.9173		1.0994		.5953	
		.2965		.0721		.0571		.0246		-.0364		-.0342	

TABLE II-272 CONFIGURATION 138 M = 0.25 Q = 178 $\alpha = 14.48^{\circ}$ $C_L = 1.1763$ $\beta = 0^{\circ}$													
.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP	
UPPER SURFACE													
-.020													
-.188													
-.214	-.658	-.880	-.021	-4.347	.023	-1.813	.025	-.724	.022	-.501	.018	-.292	
-.138	-.565	-.909	.035	-2.243	.068	-2.288	.079	-.854	.075	-.449	.077	-.332	
-.173	-.452	-.864	.105	-1.579	.134	-2.007	.133	-.595	.129	-.465	.129	-.366	
-.135	-.311	-.731	.178	-1.260	.209	-1.582	.214	-.753	.201	-.491	.209	-.337	
-.112	-.023	-.595	.286	-1.026	.294	-1.599	.295	-.661	.294	-.415	.293	-.320	
-.141	.133	-.527	.396	-.763	.404	-1.428	.407	-.562	.397	-.496	.396	-.323	
-.112	.272	-.468	.514	-.548	.497	-1.232	.502	-.792	.495	-.454	.494	-.337	
-.144	.416	-.395	.618	-.464	.599	-.404	.601	-.689	.594	-.421	.590	-.325	
-.154	.565	-.323	.733	-.408	.700	-.906	.698	-.734	.693	-.415	.693	-.329	
-.166	.713	-.241	.835	-.335	.782	-.303	.780	-.577	.784	-.434	.777	-.303	
-.318	.854	-.190	.919	-.283	.864	-.259	.863	-.705	.856	-.387	.861	-.288	
-.382	.980	-.129	.987	-.203	.926	-.241	.923	-.645	.926	-.381	.918	-.285	
-.371	1.074	-.085			.975	-.496	.977	-.628	.977	-.344	.972	-.276	
-.369	1.122	-.016											
-.354					LOWER SURFACE								
-.255	-.658	-.079	-.022	-.506	.024	.358	.025	.515	.019	.422	.020	.483	
-.184	-.615	.068	.038	.448	.075	.541	.074	.519	.066	.462	.076	.425	
-.064	-.572	.138	.101	.450	.137	.442	.130	.422	.136	.367	.136	.304	
-.031	-.462	.207	.185	.384	.213	.358	.214	.311	.214	.282	.221	.204	
-.012	-.329	.190	.289	.323	.297	.307	.298	.249	.292	.164	.295	.153	
-.022	-.172	.179	.519	.169	.400	.226	.397	.183	.489	.112	.396	.080	
-.036	-.030	.160	.620	.138	.498	.153	.501	.111	.594	.045	.497	.050	
-.032	.128	.175	.737	.200	.604	.100	.603	.042	.700	.080	.597	.027	
-.033	.418	.205	.831	.232	.705	.124	.703	.113	.786	.135	.702	.065	
-.089	.564	.194	.914	.228	.785	.189	.784	.157	.858	.206	.786	.094	
-.195	.710	.249	.986	.052	.859	.225	.868	.185	.919	.188	.864	.148	
-.197	.857	.313	1.012	-.122	.967	.004	.923	.153	.967	-.036	.912	.124	
-.205	.976	.279			1.000	-.256	.972	-.080			.985	-.175	
-.128	1.072	.218											
-.042	1.110	.134											
-.012													
		1.2279		1.2234		1.3357		.8884		.6160		.4558	
		.3484		.0729		.0104		-.0911		-.0547		-.0323	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-273 CONFIGURATION 138 M = 0.25 Q = 178 $\alpha = 15.53^\circ$ $C_L = 1.2128$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
UPPER SURFACE													
.019	-.032												
.057	-.193												
.076	-.222	-.658	-.987	-.021	-4.789	.023	-1.252	.025	-.546	.022	-.372	.018	-.342
.080	-.147	-.565	-1.003	.035	-2.373	.068	-1.110	.079	-.574	.075	-.397	.077	-.370
.085	-.150	-.452	-.890	.105	-1.781	.134	-1.159	.133	-.598	.129	-.378	.129	-.303
.093	-.151	-.311	-.771	.178	-1.611	.209	-1.056	.214	-.555	.201	-.408	.209	-.316
.113	-.128	-.023	-.607	.286	-1.271	.294	-1.067	.295	-.539	.294	-.420	.293	-.350
.115	-.128	.133	-.592	.396	-.926	.404	-.962	.407	-.555	.397	-.387	.396	-.324
.137	-.129	.272	-.505	.514	-.791	.497	-1.002	.502	-.576	.495	-.373	.494	-.324
.138	-.171	.416	-.424	.618	-.569	.599	-.933	.601	-.476	.594	-.372	.590	-.345
.163	-.162	.565	-.367	.733	-.486	.700	-.870	.698	-.547	.693	-.370	.693	-.330
.162	-.182	.713	-.268	.835	-.373	.782	-.809	.780	-.536	.784	-.367	.777	-.295
.209	-.329	.854	-.241	.919	-.222	.864	-.792	.863	-.476	.856	-.382	.861	-.320
.247	-.388	.980	-.181	.987	-.197	.926	-.779	.923	-.545	.926	-.378	.918	-.286
.276	-.376	1.074	-.100			.975	-.688	.977	-.484	.977	-.360	.972	-.293
.324	-.414	1.122	-.045										
LOWER SURFACE													
.361	-.341					.024	.314	.025	.478	.019	.436	.020	.478
.396	-.269	-.658	-.125	-.022	-.410	.075	.523	.074	.508	.066	.476	.076	.404
.438	-.199	-.615	.045	.038	.473	.137	.476	.130	.434	.136	.375	.136	.308
.487	-.065	-.572	.146	.101	.488	.213	.369	.214	.333	.214	.288	.221	.205
.518	-.048	-.462	.213	.185	.417	.297	.310	.298	.277	.292	.167	.295	.141
.556	-.025	-.329	.249	.289	.347	.400	.235	.397	.174	.489	.119	.396	.092
.574	-.032	-.172	.194	.519	.200	.501	.150	.501	.112	.594	.024	.497	.055
.593	-.053	-.030	.190	.620	.167	.604	.097	.603	.070	.700	.070	.597	-.001
.670	-.025	.128	.233	.737	.195	.705	.123	.703	.097	.786	.119	.702	.033
.708	-.051	.418	.197	.831	.265	.785	.173	.784	.156	.858	.180	.786	.079
.747	-.103	.564	.237	.914	.230	.859	.215	.868	.196	.919	.183	.864	.116
.785	-.210	.710	.260	.986	-.010	.967	-.033	.923	.136	.967	-.061	.912	.123
.804	-.196	.857	.317	1.012	-.155	1.000	-.356	.972	-.114			.985	-.216
.823	-.198	.976	.293										
.861	-.143	1.072	.216										
.900	-.057	1.110	.122										
.938	-.009												
CN =		1.3370		1.4124		1.1866		.7460		.5579		.4491	
CM =		.3706		.0864		-.1027		-.0683		-.0493		-.0295	

TABLE II-274 CONFIGURATION 138 M = 0.25 Q = 178 $\alpha = 16.55^\circ$ $C_L = 1.2510$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
UPPER SURFACE													
.019	-.052												
.057	-.196												
.076	-.219	-.658	-1.044	-.021	-5.028	.023	-1.139	.025	-.598	.022	-.400	.018	-.321
.080	-.173	-.565	-1.083	.035	-2.385	.068	-1.083	.079	-.531	.075	-.440	.077	-.402
.085	-.166	-.452	-.937	.105	-2.049	.134	-1.015	.133	-.548	.129	-.404	.129	-.354
.093	-.153	-.311	-.819	.178	-1.744	.209	-1.050	.214	-.578	.201	-.456	.209	-.353
.113	-.116	-.023	-.641	.286	-1.373	.294	-.993	.295	-.492	.294	-.477	.293	-.355
.115	-.175	.133	-.643	.396	-1.168	.404	-.963	.407	-.508	.397	-.410	.396	-.323
.137	-.125	.272	-.561	.514	-1.006	.497	-.973	.502	-.532	.495	-.421	.494	-.349
.138	-.177	.416	-.453	.618	-.732	.599	-.883	.601	-.515	.594	-.404	.590	-.358
.163	-.167	.565	-.406	.733	-.530	.700	-.889	.698	-.525	.693	-.386	.693	-.342
.162	-.193	.713	-.300	.835	-.455	.782	-.818	.780	-.523	.784	-.393	.777	-.328
.209	-.342	.854	-.247	.919	-.327	.864	-.782	.863	-.494	.856	-.388	.861	-.312
.247	-.389	.980	-.213	.987	-.313	.926	-.722	.923	-.521	.926	-.375	.918	-.329
.276	-.392	1.074	-.117			.975	-.720	.977	-.458	.977	-.359	.972	-.301
.324	-.425	1.122	-.065										
LOWER SURFACE													
.361	-.348					.024	.268	.025	.486	.019	.500	.020	.457
.396	-.278	-.658	-.168	-.022	-.480	.075	.551	.074	.509	.066	.482	.076	.422
.438	-.201	-.615	.030	.038	.473	.137	.471	.130	.435	.136	.368	.136	.310
.487	-.058	-.572	.142	.101	.489	.213	.365	.214	.356	.214	.297	.221	.205
.518	-.053	-.462	.228	.185	.459	.297	.311	.298	.283	.292	.171	.295	.148
.556	-.052	-.329	.248	.289	.369	.400	.219	.397	.201	.489	.136	.396	.105
.574	-.049	-.172	.243	.519	.214	.400	.117	.501	.119	.594	.042	.497	.079
.593	-.059	-.030	.225	.620	.169	.604	.034	.603	.055	.700	.054	.597	.013
.670	-.026	.128	.226	.737	.203	.705	.046	.703	.081	.786	.114	.702	.078
.708	-.054	.418	.228	.831	.248	.785	.082	.784	.121	.858	.178	.786	.130
.747	-.110	.564	.232	.914	.215	.859	.126	.868	.162	.919	.143	.864	.134
.785	-.212	.710	.270	.986	-.065	.967	-.220	.923	.168	.967	-.069	.912	.138
.804	-.218	.857	.317	1.012	-.200	1.000	-.704	.972	-.137			.985	-.123
.823	-.205	.976	.322										
.861	-.151	1.072	.212										
.900	-.073	1.110	.116										
.938	-.029												
CN =		1.4292		1.5647		1.1039		.7292		.5904		.4876	
CM =		.3926		.0763		-.0843		-.0633		-.0476		-.0400	

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

TABLE II-275 CONFIGURATION 138 M = 0.25 Q = 178 $\alpha = 18.69^\circ$ $C_L = 1.3154$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
.019	-.053												
.057	-.201												
.076	-.223	-.658	-1.202	-.021	-3.285	.023	-1.027	.025	-.513	.022	-.424	.018	-.377
.080	-.196	-.565	-1.197	.035	-2.447	.068	-.996	.079	-.509	.075	-.428	.077	-.376
.085	-.168	-.452	-1.024	.105	-2.253	.134	-1.013	.133	-.537	.129	-.435	.129	-.383
.093	-.205	-.311	-.871	.178	-1.887	.209	-.951	.214	-.562	.201	-.439	.209	-.362
.113	-.126	-.023	-.770	.286	-1.651	.294	-.897	.295	-.543	.294	-.444	.293	-.357
.115	-.172	.133	-.704	.396	-1.424	.404	-.907	.407	-.554	.397	-.432	.396	-.362
.137	-.142	.272	-.580	.514	-1.224	.497	-.880	.502	-.519	.495	-.457	.494	-.371
.138	-.197	.416	-.451	.618	-1.121	.599	-.814	.601	-.509	.594	-.425	.590	-.344
.163	-.166	.565	-.412	.733	-.922	.700	-.776	.698	-.546	.693	-.421	.693	-.346
.162	-.230	.713	-.339	.835	-.689	.782	-.767	.780	-.490	.784	-.420	.777	-.332
.209	-.352	.854	-.360	.919	-.626	.864	-.757	.863	-.517	.856	-.413	.861	-.367
.247	-.424	.980	-.302	.987	-.694	.926	-.674	.923	-.474	.926	-.424	.918	-.366
.276	-.418	1.074	-.219			.975	-.671	.977	-.469	.977	-.360	.972	-.324
.324	-.464	1.122	-.105										
.361	-.406												
.396	-.315	-.658	-.212	-.022	-.637	.024	.459	.025	.532	.019	.503	.020	.475
.438	-.210	-.615	.016	.038	.484	.075	.577	.074	.516	.066	.484	.076	.413
.487	-.103	-.572	.123	.101	.539	.137	.495	.130	.408	.136	.383	.136	.312
.518	-.097	-.462	.265	.185	.489	.213	.396	.214	.320	.214	.320	.221	.209
.556	-.073	-.329	.299	.289	.414	.297	.326	.298	.262	.292	.187	.295	.145
.574	-.081	-.172	.276	.519	.230	.400	.236	.397	.168	.489	.125	.396	.081
.593	-.099	-.030	.281	.620	.173	.498	.138	.501	.090	.594	.019	.497	.027
.670	-.060	.128	.295	.737	.213	.604	.048	.603	.019	.700	.064	.597	-.011
.708	-.076	.418	.285	.831	.221	.705	.058	.703	.048	.786	.116	.702	.020
.747	-.115	.564	.284	.914	.148	.785	.096	.784	.132	.858	.168	.786	.066
.785	-.237	.710	.318	.986	-.106	.859	.137	.868	.162	.919	.165	.864	.124
.804	-.235	.857	.351	1.012	-.456	.967	-.212	.923	.125	.967	-.078	.912	.112
.823	-.247	.976	.311			1.000	-.717	.972	-.142			.985	-.212
.861	-.173	1.072	.228										
.900	-.096	1.110	.119										
.938	-.051												
CN =		1.6208		1.7511		1.0588		.7094		.6066		.4772	
CM =		.4257		-.0119		-.0745		-.0607		-.0523		-.0333	

TABLE II-276 CONFIGURATION 138 M = 0.25 Q = 178 $\alpha = 20.63^\circ$ $C_L = 1.3982$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
.019	-.076												
.057	-.211												
.076	-.215	-.658	-1.376	-.021	-2.089	.023	-1.030	.025	-.605	.022	-.484	.018	-.365
.080	-.215	-.565	-1.350	.035	-1.875	.068	-1.050	.079	-.522	.075	-.449	.077	-.391
.085	-.178	-.452	-1.125	.105	-1.551	.134	-.962	.133	-.573	.129	-.476	.129	-.381
.093	-.196	-.311	-.943	.178	-1.678	.209	-.925	.214	-.582	.201	-.509	.209	-.364
.113	-.143	-.023	-.894	.286	-1.493	.294	-.897	.295	-.566	.294	-.444	.293	-.380
.115	-.188	.133	-.763	.396	-1.338	.404	-.867	.407	-.613	.397	-.455	.396	-.334
.137	-.144	.272	-.496	.514	-1.179	.497	-.910	.502	-.571	.495	-.425	.494	-.365
.138	-.218	.416	-.447	.618	-1.137	.599	-.814	.601	-.539	.594	-.458	.590	-.396
.163	-.170	.565	-.473	.733	-1.056	.700	-.797	.698	-.533	.693	-.414	.693	-.369
.162	-.247	.713	-.485	.835	-.994	.782	-.779	.780	-.522	.784	-.410	.777	-.365
.209	-.379	.854	-.515	.919	-.905	.864	-.727	.863	-.534	.856	-.417	.861	-.377
.247	-.432	.980	-.432	.987	-.857	.926	-.721	.923	-.500	.926	-.410	.918	-.366
.276	-.453	1.074	-.325			.975	-.682	.977	-.498	.977	-.372	.972	-.340
.324	-.515	1.122	-.203										
.361	-.451												
.396	-.318	-.658	-.303	-.022	-.495	.024	.398	.025	.502	.019	.485	.020	.483
.438	-.235	-.615	-.051	.038	.487	.075	.561	.074	.543	.066	.507	.076	.426
.487	-.144	-.572	.117	.101	.553	.137	.516	.130	.457	.136	.419	.136	.328
.518	-.152	-.462	.284	.185	.503	.213	.416	.214	.360	.214	.325	.221	.235
.556	-.136	-.329	.333	.289	.430	.297	.355	.298	.294	.292	.200	.295	.169
.574	-.129	-.172	.328	.519	.224	.400	.255	.397	.198	.489	.135	.396	.104
.593	-.150	-.030	.299	.620	.157	.498	.142	.501	.113	.594	.026	.497	.035
.670	-.081	.128	.330	.737	.162	.604	.061	.603	.042	.700	.070	.597	.002
.708	-.073	.418	.315	.831	.182	.705	.060	.703	.062	.786	.108	.702	.027
.747	-.144	.564	.309	.914	.129	.785	.096	.784	.134	.858	.183	.786	.070
.785	-.250	.710	.322	.986	-.300	.859	.137	.868	.183	.919	.160	.864	.120
.804	-.266	.857	.343	1.012	-.853	.967	-.246	.923	.137	.967	-.087	.912	.103
.823	-.273	.976	.311			1.000	-.731	.972	-.163			.985	-.214
.861	-.214	1.072	.189										
.900	-.128	1.110	.092										
.938	-.065												
CN =		1.7998		1.6201		1.0600		.7606		.6299		.4991	
CM =		.4514		-.0814		-.0760		-.0637		-.0487		-.0365	

~~CONFIDENTIAL~~

TABLE II-277 CONFIGURATION 138 M = 0.25 Q = 178 $\alpha = 22.59^\circ$ $C_L = 1.4884$ $\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
.019	-.073												
.057	-.219												
.076	-.213	-.658	-1.568	-.021	-1.470	.023	-1.000	.025	-.693	.022	-.493	.018	-.411
.080	-.208	-.565	-1.446	.035	-1.443	.068	-1.022	.079	-.651	.075	-.486	.077	-.407
.085	-.155	-.452	-1.209	.105	-1.454	.134	-.951	.133	-.602	.129	-.462	.129	-.392
.093	-.197	-.311	-1.012	.178	-1.309	.209	-.951	.214	-.613	.201	-.529	.209	-.377
.113	-.121	-.023	-1.069	.286	-1.238	.294	-.919	.295	-.615	.294	-.481	.293	-.381
.115	-.203	.133	-.843	.396	-1.250	.404	-.889	.407	-.587	.397	-.472	.396	-.396
.137	-.130	.272	-.592	.514	-1.102	.497	-.843	.502	-.632	.495	-.434	.494	-.374
.138	-.238	.416	-.557	.618	-1.180	.599	-.827	.601	-.613	.594	-.495	.590	-.370
.163	-.168	.565	-.508	.733	-1.114	.700	-.824	.698	-.566	.693	-.446	.693	-.366
.162	-.281	.713	-.620	.835	-1.042	.782	-.798	.780	-.570	.784	-.456	.777	-.391
.209	-.381	.854	-.693	.919	-.988	.864	-.720	.863	-.537	.856	-.430	.861	-.352
.247	-.455	.980	-.637	.987	-.949	.926	-.729	.923	-.528	.926	-.445	.918	-.343
.276	-.479	1.074	-.452			.975	-.714	.977	-.476	.977	-.426	.972	-.359
.324	-.529	1.122	-.268										
.361	-.496												
.396	-.364	-.658	-.393	-.022	-.432	.024	.369	.025	.472	.019	.441	.020	.462
.438	-.287	-.615	-.093	.038	.500	.075	.607	.074	.550	.066	.533	.076	.449
.487	-.208	-.572	.106	.101	.569	.137	.539	.130	.481	.136	.445	.136	.361
.518	-.254	-.462	.325	.185	.536	.213	.457	.214	.397	.214	.364	.221	.267
.556	-.200	-.329	.389	.289	.462	.297	.387	.298	.336	.292	.236	.295	.207
.574	-.217	-.172	.391	.519	.249	.400	.286	.397	.241	.489	.156	.396	.121
.593	-.201	-.030	.366	.620	.198	.498	.177	.501	.147	.594	.053	.497	.064
.670	-.106	.128	.351	.737	.171	.604	.087	.603	.060	.700	.089	.597	-.000
.708	-.102	.418	.345	.831	.167	.705	.079	.703	.093	.786	.123	.702	.040
.747	-.153	.564	.342	.914	.114	.785	.107	.784	.134	.858	.176	.786	.070
.785	-.282	.710	.349	.986	-.344	.859	.151	.868	.184	.919	.142	.864	.112
.804	-.278	.857	.376	1.012	-.952	.967	-.257	.923	.147	.967	-.104	.912	.103
.823	-.291	.976	.327			1.000	-.756	.972	-.176			.985	-.225
.861	-.232	1.072	.198										
.900	-.150	1.110	.051										
.938	-.080												
CN =		2.0603		1.5219		1.0866		.8201		.6716		.5217	
CM =		.4720		-.1178		-.0801		-.70663		-.0549		-.0340	

TABLE II-278 CONFIGURATION 136 M = 0.25 Q = 178 $\alpha = -0.08^\circ$ $C_L = 0.0392$ $\beta = -2.50^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.480 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
.019	.046												
.057	-.110												
.076	-.123												
.080	-.118	-.658	-.083	-.021	-.067	.023	-.123	.025	-.080	.022	.076	.018	.169
.085	-.118	-.565	-.121	.035	-.194	.068	-.212	.079	-.118	.075	-.062	.077	-.052
.093	-.106	-.452	-.183	.105	-.186	.134	-.164	.133	-.102	.129	-.099	.129	-.062
.113	.005	-.311	-.184	.178	-.186	.209	-.151	.214	-.121	.201	-.093	.209	-.072
.115	.023	-.023	-.177	.286	-.177	.294	-.141	.295	-.115	.294	-.089	.293	-.092
.137	-.002	.133	-.119	.396	-.188	.404	-.145	.407	-.115	.397	-.099	.396	-.078
.138	.008	.272	-.103	.514	-.116	.497	-.157	.502	-.133	.495	-.130	.494	-.112
.163	-.012	.416	-.064	.618	-.112	.599	-.151	.601	-.170	.594	-.148	.590	-.119
.162	.011	.565	-.074	.733	-.144	.700	-.172	.698	-.175	.693	-.169	.693	-.149
.209	-.088	.713	-.042	.835	-.119	.782	-.147	.780	-.210	.784	-.190	.777	-.159
.247	-.179	.854	-.047	.919	-.108	.864	-.205	.863	-.193	.856	-.213	.861	-.149
.276	-.205	.980	-.061	.987	-.030	.926	-.154	.923	-.154	.926	-.184	.918	-.161
.324	-.211	1.074	-.026			.975	-.067	.977	-.084	.977	-.071	.972	-.042
.361	-.120	1.122	.000										
.396	-.071												
.438	-.025												
.487	.031												
.518	.038	-.658	.025	-.022	.049	.024	-.208	.025	-.462	.019	-.524	.020	-.390
.556	.041	-.615	-.001	.038	-.207	.075	-.300	.074	-.375	.066	-.428	.076	-.481
.574	.029	-.572	-.035	.101	-.242	.137	-.266	.130	-.307	.136	-.320	.136	-.369
.593	-.007	-.462	-.092	.185	-.216	.213	-.246	.214	-.240	.214	-.241	.221	-.263
.632	-.015	-.329	-.128	.289	-.181	.297	-.222	.298	-.217	.489	-.140	.295	-.189
.670	-.032	-.172	-.168	.398	-.158	.400	-.187	.397	-.160	.594	-.109	.396	-.137
.747	-.119	-.030	-.164	.519	-.120	.498	-.137	.501	-.140	.700	.063	.497	-.115
.766	-.167	.128	-.169	.620	-.085	.604	-.094	.603	-.116	.786	.162	.597	-.055
.785	-.223	.418	-.123	.737	.060	.795	.014	.703	.043	.858	.222	.702	.071
.804	-.225	.564	-.062	.831	.158	.785	.142	.784	.160	.919	.242	.786	.177
.823	-.182	.710	.027	.914	.202	.859	.219	.868	.242	.967	.149	.864	.246
.862	-.147	.857	.113	.986	.119	.922	.215	.923	.250			.912	.227
.861	-.069	.976	.150	1.012	.048	.967	.147	.972	.138			.985	.080
.881	-.041	1.072	.128			1.000	.035						
.900	.003	1.110	.058										
.938	.060												

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-279 CONFIGURATION 136 M = 0.25 Q = 178 $\alpha = 1.97^\circ$ $C_L = 0.2296$ $\beta = -2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.018												
.057	-.131												
.076	-.142												
UPPER SURFACE													
.080	-.130	-.658	-.153	-.021	-.414	.023	-.542	.025	-.405	.022	-.337	.018	-.222
.085	-.151	-.565	-.199	.035	-.446	.068	-.452	.079	-.349	.075	-.272	.077	-.273
.093	-.109	-.452	-.243	.105	-.336	.134	-.357	.133	-.255	.129	-.267	.129	-.224
.113	-.035	-.311	-.250	.178	-.331	.209	-.286	.214	-.232	.201	-.235	.209	-.207
.115	.017	-.023	-.217	.286	-.264	.294	-.243	.295	-.231	.294	-.187	.293	-.177
.137	-.037	.133	-.181	.396	-.244	.404	-.250	.407	-.184	.397	-.184	.396	-.147
.138	-.008	.272	-.145	.514	-.172	.497	-.210	.502	-.212	.495	-.181	.494	-.160
.163	-.025	.416	-.116	.618	-.170	.599	-.219	.601	-.202	.594	-.203	.590	-.169
.162	-.023	.565	-.094	.733	-.147	.700	-.200	.698	-.223	.693	-.213	.693	-.182
.209	-.089	.713	-.068	.835	-.141	.782	-.224	.780	-.218	.784	-.237	.777	-.179
.247	-.204	.854	-.098	.519	-.094	.864	-.206	.863	-.216	.856	-.223	.861	-.195
.276	-.229	.980	-.051	.587	-.032	.926	-.161	.923	-.182	.926	-.190	.918	-.157
.324	-.237	1.074	-.044			.975	-.056	.977	-.072	.977	-.068	.972	-.064
.361	-.179	1.122	.006										
.396	-.096												
.438	-.054												
LOWER SURFACE													
.487	.015												
.518	.001	-.658	.056	-.022	.263	.024	.110	.025	.053	.019	.000	.020	.041
.556	.021	-.615	.050	.038	.012	.075	-.108	.074	-.107	.066	-.118	.076	-.195
.574	.006	-.572	.021	.101	-.056	.137	-.097	.130	-.132	.136	-.124	.136	-.169
.593	.003	-.462	-.042	.185	-.085	.213	-.135	.214	-.099	.214	-.134	.221	-.167
.632	-.027	-.329	-.080	.289	-.100	.297	-.109	.298	-.129	.489	-.065	.295	-.142
.670	-.028	-.172	-.102	.398	-.095	.400	-.123	.397	-.091	.594	-.066	.396	-.095
.747	-.133	-.030	-.140	.519	-.079	.498	-.074	.501	-.077	.700	.080	.497	-.079
.766	-.164	.128	-.117	.620	-.036	.604	-.075	.603	-.061	.786	.181	.597	-.040
.785	-.253	.418	-.085	.737	.074	.705	.048	.703	.063	.858	.267	.702	.083
.804	-.230	.564	-.018	.831	.174	.785	.156	.784	.201	.919	.276	.786	.196
.823	-.204	.710	.052	.914	.210	.859	.236	.868	.273	.967	.166	.864	.245
.842	-.156	.857	.161	.586	.112	.922	.248	.923	.260			.912	.267
.861	-.094	.976	.157	1.012	.041	.967	.125	.972	.148			.985	.057
.881	-.058	1.072	.145			1.000	.038						
.900	-.013	1.110	.058										
.938	.039												

TABLE II-280 CONFIGURATION 136 M = 0.25 Q = 178 $\alpha = 4.04^\circ$ $C_L = 0.4106$ $\beta = -2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.006												
.057	-.164												
.076	-.180												
UPPER SURFACE													
.080	-.160	-.658	-.216	-.021	-.913	.023	-1.031	.025	-.833	.022	-.879	.018	-.762
.085	-.166	-.565	-.267	.035	-.700	.068	-.746	.079	-.625	.075	-.559	.077	-.514
.093	-.136	-.452	-.315	.105	-.528	.134	-.521	.133	-.466	.129	-.472	.129	-.401
.113	-.042	-.311	-.320	.178	-.441	.209	-.401	.214	-.388	.201	-.369	.209	-.323
.115	.018	-.023	-.269	.286	-.387	.294	-.351	.295	-.333	.294	-.309	.293	-.245
.137	-.061	.133	-.210	.396	-.297	.404	-.293	.407	-.291	.397	-.262	.396	-.223
.138	-.013	.272	-.161	.514	-.234	.497	-.276	.502	-.267	.495	-.276	.494	-.194
.163	-.084	.416	-.161	.618	-.207	.599	-.269	.601	-.265	.594	-.243	.590	-.221
.162	-.029	.565	-.117	.733	-.173	.700	-.238	.698	-.274	.693	-.263	.693	-.212
.209	-.144	.713	-.118	.835	-.164	.782	-.235	.780	-.259	.784	-.259	.777	-.212
.247	-.224	.854	-.093	.919	-.056	.864	-.197	.863	-.252	.856	-.248	.861	-.198
.276	-.269	.980	-.086	.987	-.033	.926	-.164	.923	-.168	.926	-.205	.918	-.155
.324	-.270	1.074	-.034			.975	-.061	.977	-.084	.977	-.071	.972	-.070
.361	-.186	1.122	-.016										
.396	-.147												
.438	-.074												
LOWER SURFACE													
.487	-.029												
.518	.014	-.658	.079	-.022	.364	.024	.360	.025	.342	.019	.383	.020	.325
.556	-.001	-.615	.074	.038	.149	.075	.124	.074	.096	.066	.087	.076	.023
.574	-.009	-.572	.064	.101	.083	.137	.023	.130	.048	.136	.032	.136	-.050
.593	-.021	-.462	-.003	.185	-.018	.213	.001	.214	-.014	.214	-.007	.221	-.057
.632	-.040	-.329	-.031	.289	-.015	.297	-.043	.298	-.023	.489	-.037	.295	-.051
.670	-.036	-.172	-.062	.398	-.046	.400	-.061	.397	-.028	.594	-.014	.396	-.064
.747	-.144	-.030	-.077	.519	-.035	.498	-.018	.501	-.014	.700	.085	.497	-.014
.766	-.192	.128	-.037	.620	-.006	.604	-.020	.603	-.023	.786	.198	.597	-.026
.785	-.252	.418	-.041	.737	.079	.705	.085	.703	.084	.858	.274	.702	.091
.804	-.236	.564	-.008	.831	.202	.785	.169	.784	.206	.919	.265	.786	.196
.823	-.218	.710	.086	.914	.216	.859	.247	.868	.272	.967	.164	.864	.249
.842	-.159	.857	.170	.586	.129	.922	.244	.923	.284			.912	.266
.861	-.118	.976	.196	1.012	.033	.967	.143	.972	.142			.985	.049
.881	-.066	1.072	.143			1.000	.015						
.900	-.033	1.110	.060										
.938	.035												

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-281 CONFIGURATION 136 M = 0.25 Q = 178 $\alpha = 6.06^\circ$ $C_L = 0.5806$ $\beta = -2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	-.017												
.057	-.185												
.076	-.185												
.080	-.142	-.658	-.314	-.021	-1.333	.023	-1.681	.025	-1.583	.022	-1.594	.018	-1.347
.085	-.172	-.565	-.356	.035	-.919	.068	-1.011	.079	-.864	.075	-.854	.077	-.765
.093	-.129	-.452	-.387	.105	-.666	.134	-.675	.133	-.660	.129	-.660	.129	-.551
.113	-.052	-.311	-.370	.178	-.556	.209	-.518	.214	-.501	.201	-.503	.209	-.430
.115	.008	-.023	-.319	.286	-.442	.294	-.432	.295	-.426	.294	-.398	.293	-.319
.137	-.063	.133	-.257	.396	-.391	.404	-.375	.407	-.355	.397	-.332	.396	-.268
.138	-.031	.272	-.201	.514	-.268	.497	-.316	.502	-.338	.495	-.291	.494	-.259
.163	-.068	.416	-.191	.618	-.241	.599	-.303	.601	-.298	.594	-.303	.590	-.236
.162	-.038	.565	-.159	.733	-.182	.700	-.261	.698	-.301	.693	-.285	.693	-.249
.209	-.163	.713	-.118	.835	-.165	.782	-.249	.780	-.273	.784	-.279	.777	-.234
.247	-.267	.854	-.121	.919	-.095	.864	-.219	.863	-.233	.856	-.235	.861	-.224
.276	-.285	.980	-.086	.987	-.020	.926	-.131	.923	-.157	.926	-.186	.918	-.182
.324	-.279	1.074	-.063			.975	-.050	.977	-.057	.977	-.065	.972	-.065
.361	-.207	1.122	-.010										
.396	-.147												
.438	-.093												
.487	-.004												
LOWER SURFACE													
.518	-.013	-.658	.074	-.022	.373	.024	.497	.025	.515	.019	.513	.020	.504
.556	.012	-.615	.099	.038	.264	.075	.275	.074	.260	.066	.273	.076	.180
.574	.003	-.572	.108	.101	.168	.137	.171	.130	.179	.136	.153	.136	.110
.593	-.013	-.462	.058	.185	.124	.213	.085	.214	.115	.214	.106	.221	.031
.632	-.034	-.329	.017	.289	.041	.297	.073	.298	.068	.489	.046	.295	.036
.670	-.044	-.172	-.004	.398	.021	.400	.017	.397	.041	.594	.003	.396	.017
.747	-.135	-.030	-.022	.519	.013	.498	.019	.501	.022	.700	.119	.497	-.003
.766	-.171	.128	.001	.620	.038	.604	.009	.603	.025	.786	.198	.597	.011
.785	-.252	.418	.001	.737	.103	.705	.090	.703	.106	.858	.283	.702	.095
.804	-.223	.564	.049	.831	.157	.785	.198	.784	.225	.919	.273	.786	.186
.823	-.206	.710	.117	.914	.225	.859	.258	.868	.292	.967	.154	.864	.237
.842	-.173	.857	.206	.986	.114	.922	.258	.923	.285			.912	.238
.861	-.118	.976	.192	1.012	.025	.967	.131	.972	.147			.985	.050
.881	-.080	1.072	.158			1.000	.013						
.900	-.034	1.110	.065										
.938	.028												

TABLE II-282 CONFIGURATION 136 M = 0.25 Q = 178 $\alpha = 8.08^\circ$ $C_L = 0.7396$ $\beta = -2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	-.018												
.057	-.179												
.076	-.190												
.080	-.131	-.658	-.440	-.021	-2.100	.023	-2.747	.025	-1.765	.022	-2.619	.018	-2.186
.085	-.179	-.565	-.434	.035	-1.164	.068	-1.313	.079	-1.153	.075	-1.147	.077	-1.044
.093	-.125	-.452	-.469	.105	-.866	.134	-.897	.133	-.845	.129	-.844	.129	-.715
.113	-.042	-.311	-.436	.178	-.706	.209	-.662	.214	-.610	.201	-.641	.209	-.548
.115	.015	-.023	-.372	.286	-.504	.294	-.541	.295	-.537	.294	-.507	.293	-.412
.137	-.043	.133	-.284	.396	-.445	.404	-.423	.407	-.420	.397	-.441	.396	-.347
.138	-.020	.272	-.244	.514	-.316	.497	-.359	.502	-.375	.495	-.351	.494	-.285
.163	-.076	.416	-.203	.618	-.276	.599	-.320	.601	-.321	.594	-.323	.590	-.261
.162	-.042	.565	-.190	.733	-.194	.700	-.286	.698	-.291	.693	-.294	.693	-.252
.209	-.173	.713	-.143	.835	-.142	.782	-.246	.780	-.273	.784	-.288	.777	-.249
.247	-.274	.854	-.131	.919	-.091	.864	-.182	.863	-.204	.856	-.215	.861	-.203
.276	-.316	.980	-.083	.987	-.037	.926	-.118	.923	-.130	.926	-.140	.918	-.152
.324	-.274	1.074	-.058			.975	-.055	.977	-.050	.977	-.063	.972	-.069
.361	-.230	1.122	-.018										
.396	-.157												
.438	-.119												
.487	-.009												
LOWER SURFACE													
.518	-.001	-.658	.044	-.022	.307	.024	.532	.025	.572	.019	.577	.020	.579
.556	.020	-.615	.106	.038	.344	.075	.379	.074	.402	.066	.390	.076	.316
.574	.006	-.572	.112	.101	.233	.137	.260	.130	.274	.136	.259	.136	.212
.593	.003	-.462	.100	.185	.170	.213	.185	.214	.209	.214	.191	.221	.110
.632	-.015	-.329	.064	.289	.110	.297	.133	.298	.130	.489	.084	.295	.086
.670	-.018	-.172	.013	.398	.082	.400	.076	.397	.110	.594	.047	.396	.038
.747	-.128	-.030	.036	.519	.034	.498	.044	.501	.076	.700	.140	.497	.033
.766	-.161	.128	.038	.620	.066	.604	.032	.603	.059	.786	.205	.597	.036
.785	-.239	.418	.044	.737	.124	.705	.109	.703	.145	.858	.288	.702	.108
.804	-.214	.564	.087	.831	.208	.785	.193	.784	.231	.919	.283	.786	.172
.823	-.211	.710	.135	.914	.229	.859	.260	.868	.294	.967	.141	.864	.229
.842	-.164	.857	.231	.986	.079	.922	.246	.923	.288			.912	.236
.861	-.108	.976	.212	1.012	-.012	.967	.124	.972	.148			.985	.028
.881	-.069	1.072	.152			1.000	-.026						
.900	-.036	1.110	.079										
.938	.029												

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-283 CONFIGURATION 136 $M = 0.25$ $Q = 178$ $\alpha = 10.12^\circ$ $C_L = 0.8961$ $\beta = -2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	-.035												
.057	-.207												
.076	-.200												
.080	-.158	-.658	-.548	-.021	-2.966	.023	-2.942	.025	-2.117	.022	-2.026	.018	-.855
.085	-.174	-.565	-.553	.035	-1.462	.068	-1.658	.079	-1.413	.075	-2.030	.077	-.785
.093	-.130	-.452	-.540	.105	-1.044	.134	-1.063	.133	-1.040	.129	-2.050	.129	-.764
.113	-.073	-.311	-.524	.178	-.835	.209	-.788	.214	-.765	.201	-1.076	.209	-.713
.115	-.002	-.023	-.399	.286	-.627	.294	-.635	.295	-.605	.294	-.431	.293	-.680
.137	-.072	.133	-.361	.396	-.487	.404	-.496	.407	-.482	.397	-.323	.396	-.637
.138	-.036	.272	-.264	.514	-.369	.497	-.408	.502	-.418	.495	-.327	.494	-.561
.163	-.101	.416	-.253	.618	-.312	.599	-.329	.601	-.353	.594	-.289	.590	-.526
.162	-.072	.565	-.206	.733	-.230	.700	-.281	.698	-.300	.693	-.254	.693	-.425
.209	-.198	.713	-.174	.835	-.170	.782	-.228	.780	-.237	.784	-.223	.777	-.403
.247	-.301	.854	-.153	.919	-.112	.864	-.142	.863	-.175	.856	-.173	.861	-.345
.276	-.324	.980	-.100	.987	-.056	.926	-.114	.923	-.132	.926	-.116	.918	-.291
.324	-.326	1.074	-.050			.975	-.076	.977	-.097	.977	-.061	.972	-.292
.361	-.229	1.122	-.003										
.396	-.190												
.438	-.132												
.487	-.035												
LCWER SURFACE													
.518	-.007	-.658	.032	-.022	.163	.024	.499	.025	.554	.019	.516	.020	.546
.556	.012	-.615	.086	.038	.398	.075	.472	.074	.481	.066	.508	.076	.420
.574	-.004	-.572	.139	.101	.330	.137	.337	.130	.363	.136	.346	.136	.283
.593	-.006	-.462	.123	.185	.235	.213	.260	.214	.272	.214	.277	.221	.182
.632	-.012	-.329	.125	.289	.182	.297	.182	.298	.211	.489	.106	.295	.143
.670	-.025	-.172	.093	.398	.145	.400	.134	.397	.156	.594	.081	.396	.074
.747	-.118	-.030	.065	.519	.077	.498	.090	.501	.106	.700	.144	.497	.056
.766	-.163	.128	.085	.620	.098	.604	.066	.603	.071	.786	.212	.597	.036
.785	-.224	.418	.089	.737	.142	.705	.128	.703	.137	.858	.280	.702	.111
.804	-.213	.564	.108	.831	.216	.785	.197	.784	.235	.919	.283	.786	.163
.823	-.209	.710	.171	.914	.226	.859	.262	.868	.286	.967	.123	.864	.229
.842	-.179	.857	.250	.986	.066	.922	.240	.923	.274			.912	.224
.861	-.136	.976	.239	1.012	-.059	.967	.106	.972	.118			.985	-.012
.881	-.082	1.072	.187			1.000	-.055						
.900	-.055	1.110	.087										
.938	.016												

TABLE II-284 CONFIGURATION 136 $M = 0.25$ $Q = 178$ $\alpha = 12.15^\circ$ $C_L = 1.0367$ $\beta = -2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	-.051												
.057	-.193												
.076	-.210												
.080	-.153	-.658	-.714	-.021	-3.560	.023	-3.317	.025	-1.928	.022	-.840	.018	-.495
.085	-.177	-.565	-.637	.035	-1.839	.068	-1.958	.079	-1.768	.075	-.966	.077	-.441
.093	-.140	-.452	-.630	.105	-1.177	.134	-1.296	.133	-1.160	.129	-1.386	.129	-.450
.113	-.057	-.311	-.591	.178	-.954	.209	-.941	.214	-1.975	.201	-.723	.209	-.393
.115	-.026	-.023	-.459	.286	-.710	.294	-.781	.295	-1.632	.294	-.802	.293	-.446
.137	-.078	.133	-.395	.396	-.573	.404	-.543	.407	-.292	.397	-.716	.396	-.383
.138	-.056	.272	-.338	.514	-.440	.497	-.455	.502	-.203	.495	-.906	.494	-.467
.163	-.093	.416	-.286	.618	-.373	.599	-.346	.601	-.229	.594	-.659	.590	-.361
.162	-.110	.565	-.235	.733	-.266	.700	-.271	.698	-.156	.693	-.747	.693	-.345
.209	-.230	.713	-.178	.835	-.185	.782	-.211	.780	-.169	.784	-.694	.777	-.323
.247	-.321	.854	-.148	.919	-.119	.864	-.183	.863	-.131	.856	-.551	.861	-.297
.276	-.352	.980	-.107	.987	-.073	.926	-.148	.923	-.094	.926	-.583	.918	-.302
.324	-.325	1.074	-.052			.975	-.119	.977	-.065	.977	-.490	.972	-.284
.361	-.255	1.122	-.003										
.396	-.192												
.438	-.133												
.487	-.054												
LCWER SURFACE													
.518	-.018	-.658	-.029	-.022	-.078	.024	.419	.025	.534	.019	.601	.020	.579
.556	.000	-.615	.098	.038	.421	.075	.521	.074	.549	.066	.514	.076	.374
.574	-.005	-.572	.149	.101	.379	.137	.397	.130	.449	.136	.395	.136	.249
.593	-.016	-.462	.160	.185	.303	.213	.315	.214	.319	.214	.290	.221	.176
.632	-.021	-.329	.162	.289	.241	.297	.237	.298	.258	.489	.111	.295	.110
.670	-.014	-.172	.123	.398	.166	.400	.179	.397	.183	.594	.066	.396	.106
.747	-.112	-.030	.123	.519	.131	.498	.123	.501	.129	.700	.135	.497	.011
.766	-.168	.128	.131	.620	.123	.604	.089	.603	.081	.786	.196	.597	-.012
.785	-.228	.418	.140	.737	.157	.705	.122	.703	.145	.858	.260	.702	.049
.804	-.226	.564	.159	.831	.235	.785	.198	.784	.232	.919	.239	.786	.169
.823	-.211	.710	.204	.914	.217	.859	.244	.868	.282	.967	.049	.864	.192
.842	-.194	.857	.273	.986	.045	.922	.229	.923	.257			.912	.149
.861	-.138	.976	.270	1.012	-.140	.967	.062	.972	.072			.985	-.055
.881	-.100	1.072	.194			1.000	-.132						
.900	-.051	1.110	.110										
.938	.005												

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-285				CONFIGURATION 136				M = 0.25		Q = 178		$\alpha = 13.38^0$		$C_L = 1.1158$		$\beta = -2.50^0$	
STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933					
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP				
.019	-.068																
.057	-.197																
.076	-.224																
UPPER SURFACE																	
.080	-.154	-.658	-.810	-.021	-3.982	.023	-3.810	.025	-1.191	.022	-.721	.018	-.412				
.085	-.179	-.565	-.730	.035	-1.980	.068	-3.679	.079	-1.211	.075	-.598	.077	-.397				
.093	-.144	-.452	-.701	.105	-1.330	.134	-1.160	.133	-1.292	.129	-.591	.129	-.333				
.113	-.063	-.311	-.620	.178	-1.019	.209	-1.111	.214	-1.251	.201	-.591	.209	-.337				
.115	-.007	-.023	-.493	.286	-.829	.294	-.769	.295	-1.531	.294	-.553	.293	-.377				
.137	-.090	.133	-.428	.396	-.655	.404	-.657	.407	-1.290	.397	-.608	.396	-.348				
.138	-.079	.272	-.371	.514	-.500	.497	-.479	.502	-1.187	.495	-.595	.494	-.379				
.163	-.117	.416	-.316	.618	-.367	.599	-.432	.601	-1.048	.594	-.543	.590	-.312				
.162	-.111	.565	-.251	.733	-.284	.700	-.363	.698	-.726	.693	-.553	.693	-.353				
.209	-.241	.713	-.187	.835	-.202	.782	-.256	.780	-.701	.784	-.541	.777	-.304				
.247	-.329	.854	-.147	.919	-.133	.864	-.216	.863	-.572	.856	-.563	.861	-.311				
.276	-.363	.980	-.115	.987	-.095	.926	-.173	.923	-.335	.926	-.484	.918	-.317				
.324	-.339	1.074	-.050			.975	-.141	.977	-.242	.977	-.511	.972	-.288				
.361	-.262	1.122	-.003														
.396	-.218																
.438	-.141																
LOWER SURFACE																	
.487	-.049																
.518	-.017	-.658	-.048	-.022	-.257	.024	.387	.025	.552	.019	.589	.020	.555				
.556	-.013	-.615	.086	.038	.419	.075	.554	.074	.555	.066	.488	.076	.357				
.574	.000	-.572	.146	.101	.415	.137	.466	.130	.437	.136	.343	.136	.199				
.593	-.012	-.462	.210	.185	.345	.213	.380	.214	.339	.214	.262	.221	.148				
.632	-.021	-.329	.184	.289	.300	.297	.290	.298	.267	.489	.049	.295	.089				
.670	-.029	-.172	.175	.398	.210	.400	.201	.397	.187	.594	.052	.396	.045				
.747	-.117	-.030	.158	.519	.165	.498	.146	.501	.138	.700	.043	.497	.005				
.766	-.162	.128	.175	.620	.140	.604	.100	.603	.098	.786	.169	.597	-.038				
.785	-.235	.418	.162	.737	.179	.705	.124	.703	.103	.858	.189	.702	.042				
.804	-.238	.564	.177	.831	.234	.785	.207	.784	.202	.919	.179	.786	.090				
.823	-.217	.710	.227	.914	.232	.859	.244	.868	.267	.967	-.056	.864	.157				
.842	-.202	.857	.291	.986	.047	.922	.226	.923	.240			.912	.135				
.861	-.154	.976	.274	1.012	-.141	.967	.060	.972	-.013			.985	-.186				
.881	-.112	1.072	.213			1.000	-.190										
.900	-.065	1.110	.123														
.938	-.010																

TABLE II-286 CONFIGURATION 136 M = 0.25 Q = 178 $\alpha = 0.10^\circ$ $C_L = 0.0335$ $\beta = 2.50^\circ$													
STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.188												
.057	.008												
.076	-.058												
.080	-.030	-.658	-.123	-.021	-.169	.023	-.219	.025	-.104	.022	.071	.018	.190
.085	-.064	-.565	-.186	.035	-.276	.068	-.243	.079	-.118	.075	-.076	.077	-.042
.093	-.034	-.452	-.261	.105	-.274	.134	-.194	.133	-.170	.129	-.112	.129	-.068
.113	.034	-.311	-.265	.178	-.270	.209	-.202	.214	-.134	.201	-.089	.209	-.072
.115	.094	-.023	-.251	.286	-.232	.294	-.193	.295	-.138	.294	-.095	.293	-.099
.137	.011	.133	-.164	.396	-.231	.404	-.164	.407	-.167	.397	-.129	.396	-.106
.138	.059	.272	-.123	.514	-.171	.497	-.175	.502	-.145	.495	-.121	.494	-.102
.163	-.016	.416	-.090	.618	-.164	.599	-.201	.601	-.177	.594	-.170	.590	-.134
.162	.042	.565	-.088	.733	-.154	.700	-.205	.698	-.195	.693	-.190	.693	-.169
.209	-.107	.713	-.070	.835	-.144	.782	-.218	.780	-.237	.784	-.232	.777	-.193
.247	-.189	.854	-.046	.919	-.123	.864	-.206	.863	-.249	.856	-.230	.861	-.195
.276	-.234	.980	-.038	.987	-.042	.926	-.171	.923	-.180	.926	-.192	.918	-.163
.324	-.229	1.074	-.010			.975	-.071	.977	-.092	.977	-.078	.972	-.069
.361	-.126	1.122	.017										
.396	-.070												
.438	-.034												
LOWER SURFACE													
.487	.062												
.518	.063	-.658	-.012	-.022	-.036	.024	-.172	.025	-.334	.019	-.436	.020	-.353
.556	.077	-.615	-.014	.038	-.208	.075	-.293	.074	-.283	.066	-.353	.076	-.376
.574	.057	-.572	-.076	.101	-.251	.137	-.280	.130	-.276	.136	-.318	.136	-.300
.593	.041	-.462	-.119	.185	-.214	.213	-.215	.214	-.214	.214	-.200	.221	-.209
.632	.029	-.329	-.143	.289	-.189	.297	-.178	.298	-.181	.499	-.113	.295	-.179
.670	.027	-.172	-.187	.398	-.159	.400	-.184	.397	-.161	.594	-.101	.396	-.140
.747	-.016	-.030	-.180	.519	-.130	.498	-.136	.501	-.127	.700	.051	.497	-.076
.766	-.057	.128	-.146	.620	-.075	.604	-.108	.603	-.095	.786	.131	.597	-.049
.785	-.100	.418	-.130	.737	.046	.705	.031	.703	.042	.858	.210	.702	.062
.804	-.111	.564	-.090	.831	.138	.785	.135	.784	.140	.919	.214	.786	.147
.823	-.102	.710	.017	.914	.177	.859	.187	.868	.210	.967	.133	.864	.198
.842	-.060	.857	.105	.986	.169	.922	.208	.923	.232			.912	.217
.861	.002	.976	.133	1.012	.044	.967	.114	.972	.119			.985	.067
.881	.044	1.072	.119			1.000	.052						
.900	.057	1.110	.049										
.938	.089												

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-287 CONFIGURATION 136

M = 0.25

Q = 178

$\alpha = 2.16^\circ$

$C_L = 0.2205$

$\beta = 2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.127												
.057	-.046												
.076	-.088												
.080	-.068	-.658	-.223	-.021	-.481	.023	-.655	.025	-.455	.022	-.333	.018	-.206
.085	-.107	-.565	-.265	.035	-.538	.068	-.477	.079	-.359	.075	-.330	.077	-.293
.093	-.068	-.452	-.315	.105	-.446	.134	-.385	.133	-.292	.129	-.275	.129	-.202
.113	-.017	-.311	-.354	.178	-.389	.209	-.325	.214	-.280	.201	-.242	.209	-.207
.115	-.065	-.023	-.306	.286	-.325	.294	-.291	.295	-.253	.294	-.213	.293	-.183
.137	-.036	.133	-.239	.396	-.307	.404	-.267	.407	-.238	.397	-.201	.396	-.165
.138	.039	.272	-.166	.514	-.224	.497	-.225	.502	-.227	.495	-.205	.494	-.170
.163	-.054	.416	-.146	.618	-.218	.599	-.257	.601	-.229	.594	-.227	.590	-.166
.162	-.008	.565	-.110	.723	-.195	.700	-.232	.698	-.252	.693	-.242	.693	-.207
.209	-.148	.713	-.081	.835	-.168	.782	-.233	.780	-.250	.784	-.271	.777	-.216
.247	-.263	.854	-.065	.919	-.124	.864	-.225	.863	-.266	.856	-.275	.861	-.213
.276	-.291	.980	-.047	.987	-.037	.926	-.175	.923	-.191	.926	-.227	.918	-.183
.324	-.271	1.074	-.038			.975	-.074	.977	-.083	.977	-.078	.972	-.078
.361	-.181	1.122	.015										
.396	-.130												
.438	-.058												
.487	.017												
LOWER SURFACE													
.518	.026	-.658	.019	-.022	.216	.024	.090	.025	.012	.019	.028	.020	.041
.556	.030	-.615	-.008	.038	-.036	.075	-.090	.074	-.083	.066	-.100	.076	-.162
.574	.022	-.572	-.015	.101	-.067	.137	-.099	.130	-.095	.136	-.112	.136	-.151
.593	.013	-.462	-.080	.185	-.100	.213	-.117	.214	-.094	.214	-.084	.221	-.139
.632	-.000	-.329	-.099	.289	-.117	.297	-.083	.298	-.096	.489	-.047	.295	-.119
.670	.008	-.172	-.135	.398	-.103	.400	-.123	.397	-.087	.594	-.057	.396	-.086
.747	-.046	-.030	-.139	.519	-.100	.498	-.068	.501	-.062	.700	.068	.497	-.063
.766	-.074	.128	-.105	.620	-.047	.604	-.062	.603	-.049	.786	.148	.597	-.015
.785	-.147	.418	-.080	.727	.054	.705	.045	.703	.062	.858	.221	.702	.071
.804	-.121	.564	-.041	.831	.154	.785	.140	.784	.174	.919	.232	.786	.166
.823	-.123	.710	.039	.914	.183	.859	.199	.868	.233	.967	.143	.864	.218
.842	-.085	.857	.136	.966	.100	.922	.210	.923	.245			.912	.232
.861	-.020	.976	.141	1.012	.041	.967	.117	.972	.133			.985	.054
.881	.015	1.072	.123			1.000	.017						
.900	.040	1.110	.053										
.938	.065												

TABLE II-288 CONFIGURATION 136

M = 0.25

Q = 178

$\alpha = 4.19^\circ$

$C_L = 0.3985$

$\beta = 2.50^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.125												
.057	-.081												
.076	-.108												
.080	-.085	-.658	-.301	-.021	-.944	.023	-.174	.025	-.944	.022	-.859	.018	-.701
.085	-.133	-.565	-.374	.035	-.890	.068	-.812	.079	-.678	.075	-.567	.077	-.514
.093	-.083	-.452	-.399	.105	-.607	.134	-.558	.133	-.496	.129	-.475	.129	-.402
.113	-.040	-.311	-.413	.178	-.496	.209	-.448	.214	-.417	.201	-.394	.209	-.306
.115	.039	-.023	-.351	.286	-.426	.294	-.365	.295	-.342	.294	-.322	.293	-.270
.137	-.061	.133	-.277	.396	-.376	.404	-.336	.407	-.325	.397	-.277	.396	-.214
.138	.010	.272	-.217	.514	-.279	.497	-.324	.502	-.309	.495	-.279	.494	-.231
.163	-.083	.416	-.188	.618	-.253	.599	-.281	.601	-.288	.594	-.288	.590	-.230
.162	-.037	.565	-.142	.733	-.211	.700	-.281	.698	-.290	.693	-.287	.693	-.245
.209	-.208	.713	-.120	.835	-.172	.782	-.249	.780	-.296	.784	-.312	.777	-.252
.247	-.279	.854	-.105	.919	-.117	.864	-.248	.863	-.287	.856	-.284	.861	-.226
.276	-.314	.980	-.086	.987	-.032	.926	-.165	.923	-.204	.926	-.232	.918	-.205
.324	-.296	1.074	-.037			.975	-.062	.977	-.092	.977	-.082	.972	-.075
.361	-.201	1.122	-.007										
.396	-.149												
.438	-.072												
.487	-.004												
LOWER SURFACE													
.518	.016	-.658	.043	-.022	.314	.024	.327	.025	.337	.019	.324	.020	.317
.556	.042	-.615	.031	.038	.110	.075	.108	.074	.093	.066	.107	.076	.050
.574	.014	-.572	.036	.101	.046	.137	.050	.130	.059	.136	.050	.136	-.018
.593	.005	-.462	-.019	.185	-.010	.213	-.009	.214	-.005	.214	.025	.221	-.032
.632	.002	-.329	-.039	.289	-.025	.297	-.035	.298	-.008	.489	.004	.295	-.040
.670	.006	-.172	-.079	.398	-.041	.400	-.044	.397	-.028	.594	-.032	.396	-.023
.747	-.040	-.030	-.089	.519	-.047	.498	-.031	.501	-.019	.700	.088	.497	-.044
.766	-.087	.128	-.060	.620	-.012	.604	-.019	.603	-.010	.786	.156	.597	-.020
.785	-.127	.418	-.038	.737	.081	.705	.061	.703	.085	.858	.236	.702	.072
.804	-.132	.564	-.016	.831	.174	.785	.166	.784	.183	.919	.242	.786	.150
.823	-.111	.710	.075	.914	.201	.859	.223	.868	.235	.967	.135	.864	.217
.842	-.096	.857	.153	.986	.113	.922	.217	.923	.247			.912	.205
.861	-.040	.976	.176	1.012	.028	.967	.127	.972	.126			.985	.048
.881	.002	1.072	.139			1.000	.021						
.900	.038	1.110	.062										
.938	.059												

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

TABLE II-289 CONFIGURATION 136 M = 0.25 Q = 178 $\alpha = 6.23^\circ$ $C_L = 0.5716$ $\beta = 2.50^\circ$

TA .044 C CP	STA .133 X/C CP	STA .307 X/C CP	STA .480 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
019 .084						
057 -.106						
076 -.150						
080 -.115						
085 -.161	-.658 -.435	-.021 -1.467	.023 -1.763	.025 -1.622	.022 -1.592	.018 -1.329
093 -.087	-.565 -.475	.035 -1.050	.068 -1.142	.079 -.930	.075 -.890	.077 -.768
113 -.063	-.452 -.515	.105 -.801	.134 -.781	.133 -.725	.129 -.661	.129 -.562
115 .018	-.311 -.505	.178 -.687	.209 -.599	.214 -.563	.201 -.526	.209 -.446
137 -.078	-.023 -.395	.286 -.524	.294 -.497	.295 -.468	.294 -.414	.293 -.359
138 -.036	.133 -.319	.396 -.446	.404 -.421	.407 -.375	.397 -.379	.396 -.308
163 -.101	.272 -.261	.514 -.303	.497 -.366	.502 -.365	.495 -.336	.494 -.274
162 -.076	.416 -.198	.618 -.287	.599 -.335	.601 -.330	.594 -.321	.590 -.269
209 -.216	.565 -.192	.733 -.209	.700 -.303	.698 -.310	.693 -.303	.693 -.264
247 -.317	.713 -.129	.835 -.172	.782 -.289	.780 -.313	.784 -.324	.777 -.268
276 -.349	.854 -.131	.919 -.090	.864 -.229	.863 -.260	.856 -.271	.861 -.258
324 -.320	.980 -.105	.587 -.020	.926 -.167	.923 -.193	.926 -.198	.918 -.200
361 -.231	1.074 -.079		.975 -.045	.977 -.068	.977 -.065	.972 -.078
396 -.172	1.122 -.030					
438 -.128						
487 -.030						
518 .004						
556 .040	-.658 .051	-.022 .325	.024 .410	.025 .450	.019 .451	.020 .447
574 .002	-.615 .054	.028 .219	.075 .244	.074 .241	.066 .268	.076 .192
593 .007	-.572 .059	.101 .126	.137 .124	.130 .166	.136 .167	.136 .109
632 .002	-.462 .002	.185 .072	.213 .085	.214 .068	.214 .110	.221 .025
670 .002	-.329 -.012	.289 .029	.297 .044	.298 .072	.489 .039	.295 .026
747 -.049	-.172 -.030	.398 .035	.400 .007	.397 .040	.594 .017	.396 -.012
766 -.073	-.030 -.037	.519 -.004	.498 .010	.501 .016	.700 .117	.497 -.015
785 -.146	.128 -.033	.620 .033	.604 -.003	.603 .019	.786 .161	.597 -.003
804 -.128	.418 -.020	.737 .093	.705 .084	.703 .119	.858 .247	.702 .083
823 -.141	.564 .031	.831 .186	.785 .158	.784 .188	.919 .244	.786 .142
842 -.106	.710 .099	.914 .207	.859 .238	.868 .254	.967 .136	.864 .188
861 -.061	.857 .180	.986 .097	.922 .217	.923 .247		.912 .205
881 .001	.976 .178	1.012 .016	.967 .134	.972 .126		.985 .023
900 .024	1.072 .147		1.000 -.003			
938 .041	1.110 .081					

TABLE II-290 CONFIGURATION 136 M = 0.25 Q = 178 $\alpha = 8.26^\circ$ $C_L = 0.7302$ $\beta = 2.50^\circ$

TA .044 C CP	STA .133 X/C CP	STA .307 X/C CP	STA .480 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
019 .060						
057 -.123						
076 -.149						
080 -.124						
085 -.174	-.658 -.568	-.021 -2.375	.023 -2.806	.025 -2.201	.022 -2.619	.018 -2.136
093 -.115	-.565 -.581	.035 -1.375	.068 -1.426	.079 -1.257	.075 -1.183	.077 -1.068
113 -.090	-.452 -.593	.105 -.947	.134 -.936	.133 -.906	.129 -.893	.129 -.762
115 -.003	-.311 -.571	.178 -.787	.209 -.726	.214 -.662	.201 -.693	.209 -.546
137 -.096	-.023 -.449	.286 -.609	.294 -.576	.295 -.557	.294 -.512	.293 -.442
138 -.049	.133 -.392	.396 -.489	.404 -.489	.407 -.470	.397 -.457	.396 -.356
163 -.117	.272 -.292	.514 -.357	.497 -.398	.502 -.427	.495 -.396	.494 -.330
162 -.106	.416 -.233	.618 -.258	.599 -.363	.601 -.391	.594 -.344	.590 -.289
209 -.244	.565 -.216	.733 -.238	.700 -.298	.698 -.332	.693 -.340	.693 -.288
247 -.336	.713 -.163	.835 -.134	.782 -.268	.780 -.318	.784 -.297	.777 -.271
276 -.378	.854 -.170	.919 -.056	.864 -.199	.863 -.241	.856 -.268	.861 -.235
324 -.337	.980 -.138	.587 -.033	.926 -.132	.923 -.151	.926 -.160	.918 -.183
361 -.255	1.074 -.087		.975 -.048	.977 -.065	.977 -.072	.972 -.071
396 -.183	1.122 -.060					
438 -.151						
487 -.044						
518 .012						
556 .025	-.658 .017	-.022 .252	.024 .460	.025 .487	.019 .473	.020 .471
574 .018	-.615 .063	.038 .299	.075 .331	.074 .365	.066 .366	.076 .299
593 -.017	-.572 .083	.101 .223	.137 .254	.130 .265	.136 .243	.136 .195
632 .008	-.462 .057	.185 .156	.213 .154	.214 .174	.214 .171	.221 .120
670 -.013	-.329 .047	.289 .108	.297 .122	.298 .137	.489 .065	.295 .067
747 -.054	-.172 .007	.398 .059	.400 .076	.397 .084	.594 .059	.396 .042
766 -.078	-.030 -.010	.519 .049	.498 .067	.501 .059	.700 .112	.497 -.001
785 -.151	.128 .021	.620 .027	.604 .040	.603 .028	.786 .180	.597 .020
804 -.136	.418 .028	.737 .128	.705 .103	.703 .118	.858 .220	.702 .076
823 -.133	.564 .076	.831 .188	.785 .163	.784 .189	.919 .252	.786 .150
842 -.122	.710 .136	.914 .230	.859 .235	.868 .257	.967 .101	.864 .187
861 -.064	.857 .215	.986 .083	.922 .215	.923 .242		.912 .183
881 -.015	.976 .213	1.012 -.018	.967 .114	.972 .109		.985 -.001
900 .021	1.072 .150		1.000 -.027			
938 .044	1.110 .086					

~~CONFIDENTIAL~~

TABLE II-291 CONFIGURATION 136 M = 0.25 Q = 178 $\alpha = 10.30^\circ$ $C_L = 0.8840$ $\beta = 2.50^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .480 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
.019 .040						
.057 -.147						
.076 -.197						
.080 -.141	-.658 -.712	-.021 -.3.277	.023 -.3.458	.025 -.2.232	.022 -.3.551	.018 -.1.813
.085 -.186	-.565 -.712	.035 -.1.653	.068 -.1.750	.079 -.1.475	.075 -.1.475	.077 -.1.273
.093 -.149	-.452 -.708	.105 -.1.141	.134 -.1.143	.133 -.1.097	.129 -.1.057	.129 -.1.481
.113 -.099	-.311 -.642	.178 -.912	.209 -.847	.214 -.829	.201 -.842	.209 -.671
.115 -.024	-.023 -.505	.286 -.715	.294 -.682	.295 -.647	.294 -.638	.293 -.519
.137 -.118	.133 -.392	.356 -.526	.404 -.512	.407 -.525	.397 -.530	.396 -.478
.138 -.082	.272 -.349	.514 -.396	.497 -.438	.502 -.442	.495 -.456	.494 -.372
.163 -.126	.416 -.289	.618 -.293	.599 -.353	.601 -.390	.594 -.382	.590 -.319
.162 -.147	.565 -.253	.733 -.219	.700 -.284	.698 -.344	.693 -.334	.693 -.292
.209 -.290	.713 -.194	.835 -.138	.782 -.221	.780 -.291	.784 -.290	.777 -.259
.247 -.363	.854 -.196	.919 -.092	.864 -.184	.863 -.198	.856 -.246	.861 -.211
.276 -.387	.980 -.149	.987 -.055	.926 -.092	.923 -.121	.926 -.137	.918 -.209
.324 -.345	1.074 -.082		.975 -.084	.977 -.095	.977 -.051	.972 -.081
.361 -.282	1.122 -.044					
.396 -.231						
.438 -.169						
.487 -.072						
.518 .005	-.658 .007	-.022 .126	.401 .025	.420 .019	.383 .020	.428 .020
.556 .020	-.615 .079	.038 .339	.075 .424	.074 .455	.066 .441	.076 .375
.574 .012	-.572 .100	.101 .297	.137 .315	.130 .324	.136 .322	.136 .272
.593 -.012	-.462 .097	.185 .220	.213 .251	.214 .247	.214 .235	.221 .171
.632 .001	-.329 .115	.289 .185	.297 .171	.298 .210	.489 .087	.295 .130
.670 -.003	-.172 .054	.398 .122	.400 .139	.397 .135	.594 .076	.396 .058
.747 -.061	-.030 .065	.519 .093	.498 .087	.501 .103	.700 .129	.497 .081
.766 -.088	.128 .054	.620 .087	.604 .074	.603 .071	.786 .180	.597 .023
.785 -.140	.418 .075	.737 .145	.705 .105	.703 .128	.858 .226	.702 .086
.804 -.141	.564 .118	.831 .209	.785 .190	.784 .200	.919 .241	.786 .134
.823 -.150	.710 .168	.914 .225	.859 .217	.868 .255	.967 .100	.864 .184
.842 -.126	.857 .238	.986 .075	.922 .216	.923 .237		.912 .155
.861 -.084	.976 .241	1.012 -.053	.967 .090	.972 .088		.985 -.028
.881 -.027	1.072 .175		1.000 -.068			
.900 .008	1.110 .106					
.938 .020						

LOWER SURFACE

TABLE II-292 CONFIGURATION 136 M = 0.25 Q = 178 $\alpha = 12.34^\circ$ $C_L = 1.0275$ $\beta = 2.50^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .480 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
.019 .026						
.057 -.166						
.076 -.203						
.080 -.148	-.658 -.854	-.021 -.4.015	.023 -.3.457	.025 -.2.640	.022 -.2.268	.018 -.861
.085 -.197	-.565 -.841	.035 -.1.950	.068 -.2.044	.079 -.1.700	.075 -.1.946	.077 -.779
.093 -.168	-.452 -.800	.105 -.1.330	.134 -.1.291	.133 -.1.180	.129 -.1.956	.129 -.632
.113 -.103	-.311 -.722	.178 -.987	.209 -.956	.214 -.908	.201 -.1.539	.209 -.860
.115 -.042	-.023 -.552	.286 -.764	.294 -.745	.295 -.714	.294 -.1.548	.293 -.662
.137 -.137	.133 -.434	.396 -.581	.404 -.596	.407 -.558	.397 -.1.067	.396 -.586
.138 -.107	.272 -.391	.514 -.444	.497 -.439	.502 -.469	.495 -.337	.494 -.510
.163 -.156	.416 -.346	.618 -.359	.599 -.365	.601 -.398	.594 -.349	.590 -.524
.162 -.187	.565 -.301	.733 -.242	.700 -.259	.698 -.301	.693 -.266	.693 -.473
.209 -.294	.713 -.255	.835 -.215	.782 -.216	.780 -.262	.784 -.298	.777 -.417
.247 -.373	.854 -.196	.919 -.173	.864 -.156	.863 -.208	.856 -.230	.861 -.380
.276 -.393	.980 -.137	.987 -.138	.926 -.131	.923 -.186	.926 -.191	.918 -.370
.324 -.365	1.074 -.076		.975 -.127	.977 -.153	.977 -.152	.972 -.337
.361 -.305	1.122 -.017					
.396 -.261						
.438 -.172						
.487 -.056						
.518 .011	-.658 -.018	-.022 -.136	.401 .318	.439 .019	.474 .020	.482 .020
.556 .021	-.615 .065	.038 .376	.075 .461	.074 .488	.066 .462	.076 .362
.574 .001	-.572 .123	.101 .349	.137 .383	.130 .410	.136 .350	.136 .216
.593 .002	-.462 .135	.185 .301	.213 .298	.214 .311	.214 .288	.221 .176
.632 -.012	-.329 .125	.289 .247	.297 .244	.298 .242	.489 .106	.295 .129
.670 -.013	-.172 .099	.398 .180	.400 .156	.397 .176	.594 .058	.396 .031
.747 -.056	-.030 .104	.519 .126	.498 .135	.501 .116	.700 .132	.497 -.015
.766 -.087	.128 .113	.620 .139	.604 .091	.603 .094	.786 .126	.597 -.021
.785 -.158	.418 .123	.737 .150	.705 .125	.703 .140	.858 .237	.702 .053
.804 -.155	.564 .135	.831 .227	.785 .188	.784 .201	.919 .162	.786 .063
.823 -.152	.710 .203	.914 .224	.859 .227	.868 .256	.967 -.069	.864 .111
.842 -.140	.857 .267	.986 .070	.922 .204	.923 .230		.912 .098
.861 -.092	.976 .268	1.012 -.071	.967 .051	.972 .104		.985 -.193
.881 -.054	1.072 .208		1.000 -.135			
.900 -.012	1.110 .120					
.938 .005						

LOWER SURFACE

~~CONFIDENTIAL~~

CONFIDENTIAL

TABLE II-293 CONFIGURATION 136 $M = 0.25$ $Q = 178$ $\alpha = 13.36^\circ$ $C_L = 1.1031$ $\beta = 2.50^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
UPPER SURFACE						
.019 .011						
.057 -.166						
.076 -.213						
.080 -.185	-.658 -.947	-.021 -.4.330	.023 -3.731	.025 -1.589	.022 -.817	.018 -.418
.085 -.198	-.565 -.873	.035 -2.101	.068 -2.145	.079 -2.218	.075 -.714	.077 -.415
.093 -.162	-.452 -.855	.105 -1.377	.134 -1.465	.133 -1.847	.129 -.646	.129 -.425
.113 -.103	-.311 -.777	.178 -1.094	.209 -1.056	.214 -1.255	.201 -.683	.209 -.386
.115 -.047	-.023 -.567	.286 -.829	.294 -.826	.295 -1.538	.294 -.798	.293 -.397
.137 -.142	.133 -.481	.396 -.627	.404 -.610	.407 -.793	.397 -.648	.396 -.363
.138 -.128	.272 -.430	.514 -.506	.497 -.513	.502 -1.222	.495 -.627	.494 -.467
.163 -.149	.416 -.407	.618 -.390	.599 -.354	.601 -.911	.594 -.578	.590 -.335
.162 -.221	.565 -.353	.733 -.345	.700 -.278	.698 -.208	.693 -.594	.693 -.379
.209 -.316	.713 -.255	.835 -.237	.782 -.251	.780 -.312	.784 -.522	.777 -.330
.247 -.383	.854 -.200	.919 -.159	.864 -.194	.863 -.264	.856 -.514	.861 -.329
.276 -.406	.980 -.126	.987 -.144	.926 -.183	.923 -.197	.926 -.547	.918 -.333
.324 -.384	1.074 -.063		.975 -.174	.977 -.352	.977 -.457	.972 -.314
.361 -.320	1.122 -.030					
.396 -.264						
.438 -.198						
.487 -.082						
.518 -.007	-.658 -.031	-.022 -.260	.024 .235	.025 .422	.019 .380	.020 .458
.556 .008	-.615 .077	.038 .376	.075 .499	.074 .517	.066 .467	.076 .395
.574 .008	-.572 .135	.101 .384	.137 .421	.130 .418	.136 .368	.136 .276
.593 -.004	-.462 .156	.185 .320	.213 .331	.214 .321	.214 .287	.221 .171
.632 -.010	-.329 .159	.289 .283	.297 .273	.298 .260	.489 .104	.295 .133
.670 -.004	-.172 .144	.398 .205	.400 .205	.397 .199	.594 .075	.396 .081
.747 -.061	-.030 .132	.519 .156	.498 .155	.501 .132	.700 .113	.497 .031
.766 -.097	.128 .137	.620 .129	.604 .110	.603 .100	.786 .136	.597 .003
.785 -.167	.418 .145	.737 .168	.705 .135	.703 .130	.858 .207	.702 .063
.804 -.159	.564 .160	.831 .246	.785 .179	.784 .184	.919 .164	.786 .087
.823 -.153	.710 .219	.914 .229	.859 .243	.868 .248	.967 .014	.864 .115
.842 -.163	.857 .289	.986 .076	.922 .260	.923 .211		.912 .107
.861 -.097	.976 .287	1.012 -.049	.967 .050	.972 .056		.985 -.267
.881 -.063	1.072 .218		1.000 -.141			
.900 -.021	1.110 .128					
.938 .004						
LOWER SURFACE						

TABLE II-294 CONFIGURATION 136 $M = 0.25$ $Q = 115$ $\alpha = -8.17^\circ$ $C_L = -0.6828$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
UPPER SURFACE						
.019 .211						
.057 .032						
.076 -.000						
.080 -.085	-.658 .031	-.021 .296	.023 .540	.025 .538	.022 .535	.018 .511
.085 .015	-.565 .012	.035 .311	.068 .438	.079 .432	.075 .402	.077 .311
.093 -.087	-.452 -.021	.105 .258	.134 .321	.133 .323	.129 .331	.129 .243
.113 .095	-.311 -.023	.178 .183	.209 .254	.214 .260	.201 .233	.209 .139
.115 .033	-.023 -.018	.286 .125	.294 .180	.295 .161	.294 .201	.293 .105
.137 .088	.133 .039	.396 .094	.404 .125	.407 .112	.397 .078	.396 .021
.138 .050	.272 .059	.514 .049	.497 .090	.502 .092	.495 .040	.494 -.028
.163 .088	.416 .055	.618 .047	.599 .026	.601 .019	.594 -.028	.590 -.088
.162 .046	.565 .072	.733 -.016	.700 -.016	.698 -.034	.693 -.080	.693 -.162
.209 .050	.713 .065	.835 -.028	.782 -.065	.780 -.066	.784 -.197	.777 -.222
.247 -.049	.854 .047	.919 -.032	.864 -.119	.863 -.138	.856 -.306	.861 -.323
.276 -.071	.980 .044	.987 -.044	.926 -.124	.923 -.105	.926 -.461	.918 -.380
.324 -.063	1.074 .002		.975 -.097	.977 -.049	.977 -.506	.972 -.343
.361 -.019	1.122 .021					
.396 .052						
.438 .083						
.487 .140						
.518 .135	-.658 -.205	-.022 -1.974	.024 -2.850	.025 -1.449	.019 -.738	.020 -.316
.556 .114	-.615 -.277	.038 -1.152	.075 -1.414	.074 -1.378	.066 -.678	.076 -.305
.574 .092	-.572 -.320	.101 -.935	.137 -.979	.130 -1.440	.136 -.686	.136 -.252
.593 .049	-.462 -.350	.185 -.736	.213 -.749	.214 -1.452	.214 -.684	.221 .289
.632 .045	-.329 -.311	.289 -.519	.297 -.551	.298 -1.486	.489 -.547	.295 .240
.670 .024	-.172 -.359	.398 -.447	.400 -.421	.397 -1.097	.594 -.688	.396 -.246
.747 -.063	-.030 -.345	.519 -.311	.498 -.270	.501 -.326	.700 -.542	.497 -.242
.766 -.105	.128 -.336	.620 -.194	.604 -.184	.603 -.154	.786 -.559	.597 -.266
.785 -.167	.418 -.301	.737 -.084	.705 -.111	.703 -.000	.858 -.492	.702 -.276
.804 -.167	.564 -.211	.831 -.033	.785 -.067	.784 .091	.919 -.485	.786 -.239
.823 -.152	.710 -.093	.914 .002	.859 -.106	.868 .117	.967 -.470	.864 -.231
.842 -.096	.857 .051	.986 .073	.922 -.064	.923 .161		.912 -.247
.861 -.004	.976 .093	1.012 .070	.967 -.047	.972 .123		.985 -.216
.881 .034	1.072 .110		1.000 -.025			
.900 .072	1.110 .065					
.938 .092						
CN =	-.4417	-.5661	-.6232	-.7384	-.6194	-.2308
CM =	-.1580	-.0948	-.1046	-.1260	-.0051	-.0352

CONFIDENTIAL

~~CONFIDENTIAL~~

TABLE II-295 CONFIGURATION 136 M = 0.25 Q = 115 $\alpha = -6.14^\circ$ $C_L = -0.5202$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.183												
.057	.010												
.076	-.004												
.080	-.089	-.658	.020	-.021	.336	.023	.491	.025	.485	.022	.536	.018	.526
.085	-.009	-.565	-.003	.035	.242	.068	.339	.079	.350	.075	.380	.077	.306
.093	-.063	-.452	-.034	.105	.157	.134	.237	.133	.286	.129	.296	.129	.236
.113	.061	-.311	-.062	.178	.116	.209	.157	.214	.194	.201	.202	.209	.157
.115	.060	-.023	-.027	.286	.044	.294	.121	.295	.163	.294	.158	.293	.095
.137	.091	.133	-.014	.356	.019	.404	.065	.407	.096	.397	.112	.396	.065
.138	.033	.272	.037	.514	.034	.497	.025	.502	.036	.495	.038	.494	-.001
.163	.070	.416	.045	.618	-.016	.599	.017	.601	-.002	.594	-.004	.590	-.046
.162	.033	.565	.025	.733	.027	.700	-.064	.698	-.053	.693	-.058	.693	-.078
.209	.001	.713	.045	.835	-.061	.782	-.084	.780	-.093	.784	-.121	.777	-.161
.247	-.064	.854	.014	.919	-.061	.864	-.099	.863	-.146	.856	-.139	.861	-.226
.276	-.112	.980	.017	.987	-.024	.926	-.105	.923	-.146	.926	-.153	.918	-.256
.324	-.103	1.074	.020			.975	-.036	.977	-.079	.977	-.139	.972	-.310
.361	-.045	1.122	.019										
.396	.002												
.438	.064												
.487	.093												
.518	.111	-.658	-.139	-.022	-.1333	.024	-2.117	.025	-2.820	.019	-1.855	.020	-.699
.556	.102	-.615	-.200	.038	-.828	.075	-1.091	.074	-1.235	.066	-1.514	.076	-.744
.574	.067	-.572	-.222	.101	-.724	.137	-.785	.130	-.856	.136	-1.569	.136	-.723
.593	.051	-.462	-.275	.185	-.583	.213	-.590	.214	-.639	.214	-.656	.221	-.576
.632	.030	-.329	-.263	.289	-.452	.297	-.478	.298	-.454	.489	-.176	.295	-.543
.670	.016	-.172	-.301	.398	-.345	.400	-.346	.397	-.344	.594	-.094	.396	-.530
.747	-.055	-.030	-.319	.519	-.279	.498	-.292	.501	-.266	.700	.013	.497	-.488
.766	-.107	.128	-.280	.620	-.173	.604	-.171	.603	-.135	.786	.006	.597	-.444
.785	-.153	.418	-.265	.737	-.025	.705	-.040	.703	-.070	.858	.045	.702	-.403
.804	-.171	.564	-.171	.831	.029	.785	-.028	.784	-.059	.919	.035	.786	-.317
.823	-.135	.710	-.072	.914	.080	.859	-.015	.868	-.058	.967	.067	.864	-.219
.842	-.107	.857	.051	.986	.085	.922	.021	.923	-.049			.912	-.205
.861	-.015	.976	.107	1.012	.062	.967	.048	.972	-.004			.985	-.264
.881	.044	1.072	.091			1.000	.054						
.900	.052	1.110	.058										
.938	.091												
CN =		-.3274		-.3957		-.4634		-.5264		-.5004		-.4874	
CM =		-.1231		-.0822		-.0911		-.1056		-.1312		-.0290	

TABLE II-296 CONFIGURATION 136 M = 0.25 Q = 115 $\alpha = -4.12^\circ$ $C_L = -0.3414$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.153												
.057	-.033												
.076	-.045												
.080	-.099	-.658	-.008	-.021	.303	.023	.407	.025	.382	.022	.487	.018	.497
.085	-.052	-.565	-.056	.035	.136	.068	.165	.079	.232	.075	.264	.077	.263
.093	-.065	-.452	-.087	.105	.034	.134	.070	.133	.157	.129	.211	.129	.190
.113	.029	-.311	-.124	.178	-.004	.209	.058	.214	.075	.201	.145	.209	.097
.115	.025	-.023	-.092	.286	-.032	.294	.001	.295	.043	.294	.078	.293	.071
.137	.060	.133	-.080	.396	-.057	.404	-.021	.407	.029	.397	.051	.396	.011
.138	.025	.272	-.047	.514	-.052	.497	-.036	.502	-.031	.495	.008	.494	-.023
.163	.030	.416	-.006	.618	-.052	.599	-.072	.601	-.061	.594	-.039	.590	-.053
.162	.044	.565	-.019	.733	-.085	.700	-.094	.698	-.089	.693	-.089	.693	-.094
.209	-.039	.713	.002	.835	-.075	.782	-.125	.780	-.133	.784	-.136	.777	-.118
.247	-.096	.854	-.001	.919	-.092	.864	-.147	.863	-.148	.856	-.161	.861	-.148
.276	-.157	.980	-.022	.987	-.047	.926	-.107	.923	-.116	.926	-.136	.918	-.145
.324	-.159	1.074	.004			.975	-.047	.977	-.048	.977	-.140	.972	-.048
.361	-.065	1.122	.002										
.396	-.030												
.438	.023												
.487	.083												
.518	.080	-.658	-.052	-.022	-.716	.024	-1.265	.025	-1.563	.019	-2.138	.020	-2.330
.556	.076	-.615	-.101	.038	-.720	.075	-.775	.074	-.895	.066	-1.025	.076	-.946
.574	.055	-.572	-.148	.101	-.551	.137	-.600	.130	-.647	.136	-.646	.136	-.669
.593	.025	-.462	-.219	.185	-.420	.213	-.467	.214	-.512	.214	-.461	.221	-.464
.632	.028	-.329	-.234	.289	-.328	.297	-.375	.298	-.413	.489	-.222	.295	-.334
.670	-.003	-.172	-.263	.398	-.292	.400	-.314	.397	-.306	.594	-.146	.396	-.266
.747	-.063	-.030	-.270	.519	-.200	.498	-.240	.501	-.256	.700	-.012	.497	-.174
.766	-.112	.128	-.262	.620	-.138	.604	-.155	.603	-.158	.786	.023	.597	-.082
.785	-.175	.418	-.217	.737	.021	.705	-.020	.703	-.004	.858	.031	.702	-.004
.804	-.166	.564	-.145	.831	.095	.785	.053	.784	.028	.919	.066	.786	.032
.823	-.152	.710	-.031	.914	.120	.859	.080	.868	.050	.967	.067	.864	.041
.842	-.105	.857	.070	.986	.117	.922	.111	.923	.078			.912	.024
.861	-.033	.976	.127	1.012	.056	.967	.121	.972	.081			.985	.059
.881	.021	1.072	.106			1.000	.087						
.900	.047	1.110	.066										
.938	.073												
CN =		-.1684		-.2140		-.2592		-.3188		-.3519		-.3441	
CM =		-.0808		-.0744		-.0812		-.0873		-.1037		-.1042	

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-297 CONFIGURATION 136 M = 0.25 Q = 115 $\alpha = -2.12^\circ$ $C_L = -0.1568$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 .132						
.057 -.026						
.076 -.066						
.080 -.093	-.658 -.044	-.021 .166	.023 .133	.025 .197	.022 .327	.018 .410
.085 -.064	-.565 -.072	.035 -.039	.068 .032	.079 .071	.075 .127	.077 .125
.093 -.071	-.452 -.139	.105 -.069	.134 -.026	.133 .014	.129 .076	.129 .088
.113 .037	-.311 -.188	.178 -.105	.209 .214	-.019 .201	-.016 .209	.014 .209
.115 .038	-.023 -.160	.286 -.120	.294 -.062	.295 -.034	.294 .009	.293 -.014
.137 .030	.133 -.095	.396 -.117	.404 -.085	.407 -.056	.397 -.034	.396 -.024
.138 .046	.272 -.082	.514 -.104	.497 -.112	.502 -.058	.495 -.066	.494 -.061
.163 .021	.416 -.049	.618 -.099	.599 -.107	.601 -.121	.594 -.088	.590 -.086
.162 .037	.565 -.031	.733 -.107	.700 -.157	.698 -.138	.693 -.138	.693 -.113
.209 -.041	.713 -.031	.825 -.107	.782 -.145	.780 -.161	.784 -.155	.777 -.141
.247 -.156	.854 -.024	.919 -.085	.864 -.167	.863 -.195	.856 -.186	.861 -.138
.276 -.182	.980 -.014	.987 -.041	.926 -.137	.923 -.136	.926 -.160	.918 -.130
.324 -.165	1.074 -.022		.975 -.052	.977 -.053	.977 -.138	.972 -.036
.361 -.120	1.122 .022					
.396 -.042						
.438 -.003						
.487 .055						
.518 .055	-.658 -.034	-.022 -.344	.024 -.688	.025 -.945	.019 -1.098	.020 -.993
.556 .055	-.615 -.065	.038 -.462	.075 -.555	.074 -.682	.066 -.783	.076 -.740
.574 .055	-.572 -.168	.101 -.395	.137 -.457	.130 -.479	.136 -.434	.136 -.484
.593 .018	-.462 -.177	.185 -.362	.213 -.361	.214 -.366	.214 -.361	.221 -.348
.632 .007	-.329 -.183	.289 -.266	.297 -.277	.298 -.284	.489 -.201	.295 -.277
.670 .010	-.172 -.221	.398 -.230	.400 -.229	.397 -.249	.594 -.126	.396 -.190
.747 -.071	-.030 -.222	.519 -.151	.498 -.212	.501 -.194	.700 .011	.497 -.154
.766 -.107	.128 -.218	.620 -.105	.604 -.135	.603 -.153	.786 .110	.597 -.082
.785 -.183	.418 -.164	.737 .021	.705 .001	.703 .002	.858 .129	.702 .054
.804 -.173	.564 -.112	.831 .125	.785 .098	.784 .107	.919 .145	.786 .117
.823 -.152	.710 -.004	.914 .152	.859 .158	.868 .153	.967 .129	.864 .184
.842 -.109	.857 .094	.986 .097	.922 .180	.923 .183		.912 .170
.861 -.030	.976 .109	1.012 .649	.967 .130	.972 .123		.985 .080
.881 .010	1.072 .116		1.000 .056			
.900 .034	1.110 .062					
.938 .074						
CN =	-.0424	-.0756	-.0902	-.1348	-.1613	-.1539
CM =	-.0420	-.0567	-.0708	-.0804	-.0967	-.0866

TABLE II-298 CONFIGURATION 136 M = 0.25 Q = 115 $\alpha = -0.11^\circ$ $C_L = 0.0303$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .480	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
.019 .117						
.057 -.047						
.076 -.086						
.080 -.085	-.658 -.110	-.021 -.062	.023 .166	.025 -.079	.022 .051	.018 .190
.085 -.093	-.565 -.151	.035 -.184	.068 -.227	.079 -.151	.075 -.097	.077 -.056
.093 -.090	-.452 -.211	.105 -.239	.134 -.176	.133 -.121	.129 -.074	.129 -.067
.113 .002	-.311 -.237	.178 -.214	.209 -.164	.214 -.139	.201 -.099	.209 -.079
.115 .044	-.023 -.217	.286 -.201	.294 -.169	.295 -.137	.294 -.104	.293 -.079
.137 .006	.133 -.161	.396 -.207	.404 -.164	.407 -.151	.397 -.094	.396 -.084
.138 .019	.272 -.098	.514 -.140	.497 -.166	.502 -.142	.495 -.126	.494 -.104
.163 -.007	.416 -.074	.618 -.152	.599 -.166	.601 -.154	.594 -.144	.590 -.134
.162 .014	.565 -.080	.733 -.135	.700 -.183	.698 -.192	.693 -.177	.693 -.134
.209 -.095	.713 -.046	.825 -.128	.782 -.207	.780 -.212	.784 -.224	.777 -.161
.247 -.172	.854 -.052	.919 -.118	.864 -.216	.863 -.212	.856 -.211	.861 -.181
.276 -.229	.980 -.037	.987 -.041	.926 -.151	.923 -.172	.926 -.149	.918 -.162
.324 -.204	1.074 -.009		.975 -.062	.977 -.067	.977 -.122	.972 -.052
.361 -.129	1.122 -.001					
.396 -.093						
.438 -.022						
.487 .033						
.518 .045	-.658 .001	-.022 -.038	.024 -.246	.025 -.432	.019 -.381	.020 -.422
.556 .044	-.615 -.033	.038 -.229	.075 -.308	.074 -.362	.066 -.442	.076 -.435
.574 .023	-.572 -.044	.101 -.247	.137 -.280	.130 -.295	.136 -.287	.136 -.338
.593 .015	-.462 -.110	.185 -.224	.213 -.235	.214 -.254	.214 -.225	.221 -.267
.632 -.003	-.329 -.131	.289 -.200	.297 -.204	.298 -.213	.489 -.116	.295 -.200
.670 .013	-.172 -.180	.398 -.166	.400 -.186	.397 -.180	.594 -.092	.396 -.137
.747 -.078	-.030 -.194	.519 -.129	.498 -.140	.501 -.133	.700 .044	.497 -.094
.766 -.122	.128 -.164	.620 -.076	.604 -.114	.603 -.094	.786 .138	.597 -.055
.785 -.181	.418 -.141	.737 .048	.705 .019	.703 .044	.858 .210	.702 .077
.804 -.189	.564 -.069	.831 .142	.785 .141	.784 .168	.919 .235	.786 .169
.823 -.195	.710 .016	.914 .183	.859 .212	.868 .243	.967 .137	.864 .217
.842 -.111	.857 .111	.986 .115	.922 .206	.923 .239		.912 .221
.861 -.054	.976 .146	1.012 .035	.967 .124	.972 .141		.985 .084
.881 .002	1.072 .168		1.000 .045			
.900 .026	1.110 .069					
.938 .054						
CN =	.0991	.0874	.0853	.0638	.0452	.0097
CM =	.0045	-.0418	-.0574	-.0714	-.0766	-.0733

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-299 CONFIGURATION 136 M = 0.25 Q = 115 $\alpha = 0.90^\circ$ $C_L = 0.1267$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.104												
.057	-.069												
.076	-.088												
.080	-.095												
.085	-.096	-.658	-.163	-.021	-.268	.023	-.315	.025	-.292	.022	-.147	.018	-.009
.093	-.070	-.565	-.201	.035	-.364	.068	-.404	.079	-.225	.075	-.179	.077	-.161
.113	.005	-.452	-.235	.105	-.300	.134	-.257	.133	-.206	.129	-.179	.129	-.141
.115	.045	-.311	-.272	.178	-.278	.209	-.227	.214	-.200	.201	-.174	.209	-.129
.137	.002	-.023	-.212	.286	-.240	.294	-.228	.295	-.176	.294	-.161	.293	-.132
.138	.020	.133	-.175	.396	-.232	.404	-.190	.407	-.173	.397	-.163	.396	-.122
.163	-.025	.272	-.131	.514	-.175	.497	-.193	.502	-.184	.495	-.154	.494	-.124
.162	.033	.416	-.099	.618	-.153	.599	-.195	.601	-.205	.594	-.186	.590	-.154
.209	-.103	.565	-.094	.733	-.170	.700	-.210	.698	-.200	.693	-.208	.693	-.164
.247	-.202	.712	-.076	.835	-.131	.782	-.223	.780	-.243	.784	-.223	.777	-.186
.276	-.232	.854	-.063	.919	-.110	.864	-.198	.863	-.242	.856	-.245	.861	-.195
.324	-.237	.980	-.056	.967	-.036	.926	-.158	.923	-.176	.926	-.190	.918	-.152
.361	-.159	1.074	-.033			.975	-.069	.977	-.082	.977	-.102	.972	-.068
.396	-.094	1.122	.006										
.438	-.041												
.487	.032												
.518	.020												
.556	.024	-.658	-.000	-.022	.108	.024	-.049	.025	-.129	.019	-.227	.020	-.211
.574	.020	-.615	-.007	.038	-.111	.075	-.181	.074	-.245	.066	-.247	.076	-.281
.593	.020	-.572	-.013	.101	-.178	.137	-.184	.130	-.208	.136	-.220	.136	-.258
.632	.004	-.462	-.093	.185	-.157	.213	-.158	.214	-.176	.214	-.153	.221	-.193
.670	-.008	-.329	-.102	.289	-.141	.297	-.148	.298	-.141	.489	-.084	.295	-.162
.747	-.079	-.172	-.145	.398	-.145	.400	-.145	.397	-.140	.594	-.086	.396	-.122
.766	-.121	-.030	-.157	.519	-.093	.498	-.115	.501	-.118	.700	.060	.497	-.078
.785	-.178	.128	-.139	.620	-.069	.604	-.089	.603	-.087	.786	.165	.597	-.043
.804	-.187	.418	-.107	.737	.065	.705	.041	.703	.055	.858	.222	.702	.080
.823	-.154	.564	-.067	.831	.158	.785	.140	.784	.158	.915	.251	.786	.171
.842	-.111	.710	.036	.914	.192	.859	.203	.868	.234	.967	.138	.864	.222
.861	-.054	.857	.121	.986	.117	.922	.228	.923	.248			.912	.248
.881	-.006	.976	.141	1.012	.036	.967	.130	.972	.131			.985	.060
.900	.022	1.072	.116			1.000	.032						
.938	.050	1.110	.054										
CM =		.1754		.1756		.1775		.1571		.1430		.0925	
CM =		.0267		-.0295		-.0477		-.0607		-.0679		-.0633	

TABLE II-300 CONFIGURATION 136 M = 0.25 Q = 115 $\alpha = 1.89^\circ$ $C_L = 0.2136$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.123												
.057	-.069												
.076	-.119												
.080	-.095												
.085	-.106	-.658	-.172	-.021	-.448	.023	-.537	.025	-.436	.022	-.279	.018	-.237
.093	-.078	-.565	-.218	.035	-.458	.068	-.527	.079	-.330	.075	-.301	.077	-.254
.113	-.016	-.452	-.294	.105	-.389	.134	-.349	.133	-.305	.129	-.259	.129	-.229
.115	.033	-.311	-.297	.178	-.326	.209	-.294	.214	-.271	.201	-.227	.209	-.195
.137	-.006	-.023	-.252	.286	-.294	.294	-.299	.295	-.245	.294	-.212	.293	-.178
.138	.013	.133	-.208	.396	-.277	.404	-.232	.407	-.207	.397	-.171	.396	-.171
.163	-.033	.272	-.162	.514	-.190	.497	-.239	.502	-.232	.495	-.181	.494	-.149
.162	.018	.416	-.120	.618	-.185	.599	-.190	.601	-.239	.594	-.205	.590	-.173
.209	-.117	.565	-.121	.733	-.190	.700	-.227	.698	-.237	.693	-.225	.693	-.181
.247	-.215	.713	-.088	.835	-.148	.782	-.237	.780	-.256	.784	-.251	.777	-.200
.276	-.251	.854	-.063	.919	-.120	.864	-.210	.863	-.252	.856	-.249	.861	-.203
.324	-.241	.980	-.068	.967	-.049	.926	-.158	.923	-.185	.926	-.212	.918	-.166
.361	-.156	1.074	-.021			.975	-.068	.977	-.085	.977	-.122	.972	-.063
.396	-.104	1.122	-.009										
.438	-.042												
.487	.026												
.518	.028												
.556	.048	-.658	.050	-.022	.211	.024	.094	.025	-.008	.019	-.029	.020	.021
.574	.022	-.615	.028	.038	-.033	.075	-.087	.074	-.113	.066	-.155	.076	-.181
.593	.002	-.572	-.022	.101	-.108	.137	-.136	.130	-.130	.136	-.114	.136	-.203
.632	.001	-.462	-.053	.185	-.083	.213	-.094	.214	-.088	.214	-.057	.221	-.139
.670	-.016	-.329	-.087	.289	-.110	.297	-.119	.298	-.117	.489	-.048	.295	-.124
.747	-.082	-.172	-.127	.398	-.087	.400	-.102	.397	-.097	.594	-.062	.396	-.126
.766	-.123	-.030	-.136	.519	-.084	.498	-.085	.501	-.083	.700	.077	.497	-.055
.785	-.175	.128	-.115	.620	-.058	.604	-.071	.603	-.068	.786	.160	.597	-.037
.804	-.186	.418	-.084	.737	.071	.705	.046	.703	.061	.858	.222	.702	.090
.823	-.168	.564	-.046	.831	.162	.785	.157	.784	.170	.919	.251	.786	.163
.842	-.120	.710	.046	.914	.157	.859	.209	.868	.242	.967	.143	.864	.229
.861	-.054	.857	.127	.986	.111	.922	.227	.923	.249			.912	.243
.881	-.009	.976	.149	1.012	.033	.967	.120	.972	.131			.985	.059
.900	.015	1.072	.120			1.000	.033						
.938	.057	1.110	.068										
CM =		.2519		.2574		.2587		.2478		.2242		.1687	
CM =		.0496		-.0211		-.0384		-.0540		-.0607		-.0524	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-301 CONFIGURATION 138 M = 0.25 Q = 115 $\alpha = 2.91^\circ$ $C_L = 0.3042$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .488		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.090												
.057	-.088												
.076	-.121												
.080	-.101	-.658	-.237	-.021	-.695	.023	-.857	.025	-.667	.022	-.499	.018	-.447
.085	-.123	-.565	-.269	.035	-.537	.068	-.641	.079	-.483	.075	-.437	.077	-.375
.093	-.092	-.452	-.307	.165	-.492	.134	-.404	.133	-.379	.129	-.362	.129	-.295
.113	-.029	-.311	-.317	.178	-.394	.209	-.382	.214	-.325	.201	-.290	.209	-.238
.115	.034	-.023	-.281	.286	-.356	.294	-.307	.295	-.285	.294	-.246	.293	-.219
.137	-.013	.133	-.231	.396	-.289	.404	-.271	.407	-.258	.397	-.226	.396	-.175
.138	.002	.272	-.171	.514	-.229	.497	-.254	.502	-.261	.495	-.243	.494	-.199
.163	-.040	.416	-.129	.618	-.216	.599	-.226	.601	-.253	.594	-.224	.590	-.185
.162	-.012	.565	-.136	.733	-.171	.700	-.259	.698	-.253	.693	-.253	.693	-.206
.209	-.135	.713	-.091	.835	-.162	.782	-.234	.780	-.279	.784	-.264	.777	-.231
.247	-.213	.854	-.094	.919	-.125	.864	-.224	.863	-.236	.856	-.249	.861	-.202
.276	-.285	.980	-.079	.587	-.028	.926	-.167	.923	-.196	.926	-.212	.918	-.180
.324	-.261	1.074	-.023			.975	-.057	.977	-.085	.977	-.137	.972	-.065
.361	-.169	1.122	-.018										
.396	-.121												
.438	-.055												
.487	-.004												
LOWER SURFACE													
.518	.034	-.658	.046	-.022	.276	.024	.241	.025	.146	.019	.260	.020	.193
.556	.027	-.615	.032	.038	.043	.075	.009	.074	-.019	.066	-.036	.076	-.094
.574	.018	-.572	.020	.101	-.015	.137	-.041	.130	-.036	.136	-.048	.136	-.094
.593	.005	-.462	-.033	.185	-.063	.213	-.058	.214	-.058	.214	-.034	.221	-.075
.632	-.041	-.329	-.054	.289	-.072	.297	-.059	.298	-.058	.489	-.062	.295	-.085
.670	-.016	-.172	-.095	.398	-.073	.400	-.060	.397	-.070	.594	-.034	.396	-.067
.747	-.097	-.030	-.104	.519	-.060	.498	-.059	.501	-.054	.700	.069	.497	-.056
.766	-.134	.128	-.086	.620	-.015	.604	-.038	.603	-.047	.786	.173	.597	-.016
.785	-.189	.418	-.073	.737	.070	.705	.052	.703	.070	.858	.251	.702	.091
.804	-.180	.564	.001	.831	.163	.785	.161	.784	.176	.919	.249	.786	.157
.823	-.156	.710	.061	.914	.214	.859	.234	.868	.258	.967	.135	.864	.234
.842	-.125	.857	.142	.586	.104	.922	.232	.923	.247			.912	.237
.861	-.054	.976	.177	1.012	.039	.967	.128	.972	.133			.985	.053
.881	-.017	1.072	.125			1.000	.023						
.900	.002	1.110	.066										
.938	.059												
CN =		.3307		.3325		.3462		.3296		.3121		.2461	
CM =		.0700		-.0104		-.0300		-.0447		-.0489		-.0426	

TABLE II-302 CONFIGURATION 136 M = 0.25 Q = 115 $\alpha = 3.90^\circ$ $C_L = 0.3907$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .488		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.076												
.057	-.084												
.076	-.135												
.080	-.092	-.658	-.261	-.021	-.835	.023	-1.169	.025	-.895	.022	-.803	.018	-.712
.085	-.118	-.565	-.296	.025	-.752	.068	-.790	.079	-.591	.075	-.596	.077	-.482
.093	-.099	-.452	-.355	.105	-.553	.134	-.526	.133	-.482	.129	-.435	.129	-.377
.113	-.011	-.311	-.336	.178	-.481	.209	-.418	.214	-.352	.201	-.344	.209	-.302
.115	.034	-.023	-.316	.286	-.385	.294	-.376	.295	-.327	.294	-.298	.293	-.241
.137	-.040	.133	-.226	.396	-.330	.404	-.336	.407	-.300	.397	-.290	.396	-.229
.138	.002	.272	-.181	.514	-.276	.497	-.269	.502	-.260	.495	-.248	.494	-.216
.163	-.055	.416	-.169	.618	-.226	.599	-.276	.601	-.271	.594	-.255	.590	-.201
.162	-.020	.565	-.133	.733	-.196	.700	-.269	.698	-.271	.693	-.271	.693	-.218
.209	-.149	.713	-.114	.835	-.166	.782	-.234	.780	-.277	.784	-.271	.777	-.231
.247	-.235	.854	-.096	.919	-.104	.864	-.236	.863	-.256	.856	-.266	.861	-.204
.276	-.276	.980	-.084	.587	-.028	.926	-.164	.923	-.174	.926	-.187	.918	-.184
.324	-.263	1.074	-.054			.975	-.068	.977	-.075	.977	-.140	.972	-.063
.361	-.177	1.122	-.008										
.396	-.118												
.438	-.091												
.487	.007												
LOWER SURFACE													
.518	.024	-.658	.048	-.022	.334	.024	.306	.025	.308	.019	.336	.020	.327
.556	.015	-.615	.072	.038	.114	.075	.110	.074	.102	.066	.086	.076	.018
.574	.018	-.572	.039	.101	.014	.137	.003	.130	.030	.136	-.003	.136	-.047
.593	-.006	-.462	-.003	.185	.007	.213	-.013	.214	.013	.214	.023	.221	-.060
.632	-.004	-.329	-.016	.289	-.022	.297	-.011	.298	-.011	.489	.002	.295	-.039
.670	-.009	-.172	-.090	.398	-.067	.400	-.062	.397	-.047	.594	-.026	.396	-.056
.747	-.084	-.030	-.058	.519	-.033	.498	-.037	.501	-.024	.700	.069	.497	-.048
.766	-.135	.128	-.072	.620	-.011	.604	-.016	.603	-.028	.786	.175	.597	-.008
.785	-.197	.418	-.054	.737	.087	.705	.056	.703	.090	.858	.239	.702	.078
.804	-.171	.564	-.004	.831	.186	.785	.158	.784	.186	.919	.253	.786	.154
.823	-.171	.710	.075	.914	.208	.859	.225	.868	.252	.967	.147	.864	.228
.842	-.128	.857	.151	.986	.106	.922	.228	.923	.254			.912	.218
.861	-.067	.976	.167	1.012	.028	.967	.128	.972	.129			.985	.042
.881	-.020	1.072	.144			1.000	.015						
.900	.005	1.110	.063										
.938	.047												
CN =		.3953		.4088		.4259		.4070		.3990		.3082	
CM =		.0930		-.0005		-.0197		-.0336		-.0386		-.0297	

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-303 CONFIGURATION 136 $M = 0.25$ $Q = 115$ $\alpha = 4.93^{\circ}$ $C_T = 0.4799$ $\beta = 0^{\circ}$

STA .044		STA .133		STA .307		STA .488		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.055												
.057	-.114												
.076	-.130												
.080	-.124	-.658	-.323	-.021	-.145	.023	-.1315	.025	-.1063	.022	-.1110	.018	-.1023
.085	-.139	-.565	-.356	.035	-.948	.068	-.810	.079	-.700	.075	-.754	.077	-.618
.093	-.095	-.452	-.393	.105	-.659	.134	-.609	.133	-.557	.129	-.547	.129	-.444
.113	-.041	-.311	-.409	.178	-.514	.209	-.509	.214	-.463	.201	-.438	.209	-.362
.115	.016	-.023	-.326	.286	-.453	.294	-.409	.295	-.396	.294	-.372	.293	-.303
.137	-.026	.133	-.281	.396	-.359	.404	-.359	.407	-.345	.397	-.307	.396	-.255
.138	-.009	.272	-.223	.514	-.274	.497	-.319	.502	-.327	.495	-.297	.494	-.255
.163	-.064	.416	-.178	.618	-.253	.599	-.283	.601	-.292	.594	-.270	.590	-.226
.162	-.034	.565	-.158	.733	-.194	.700	-.286	.698	-.303	.693	-.281	.693	-.233
.209	-.158	.713	-.128	.835	-.168	.782	-.244	.780	-.281	.784	-.286	.777	-.248
.247	-.236	.854	-.119	.519	-.058	.864	-.228	.863	-.258	.856	-.258	.861	-.231
.276	-.305	.980	-.086	.587	-.023	.926	-.171	.923	-.192	.926	-.208	.918	-.211
.324	-.264	1.074	-.054			.975	-.048	.977	-.068	.977	-.165	.972	-.075
.361	-.192	1.122	-.036										
.396	-.156												
.438	-.090												
.487	-.021												
UPPER SURFACE													
.518	.019	-.658	.044	-.022	.353	.024	.385	.025	.399	.019	.451	.020	.438
.556	.031	-.615	.057	.038	.181	.075	.174	.074	.185	.066	.154	.076	.096
.574	.020	-.572	.068	.101	.092	.137	.097	.130	.107	.136	.087	.136	.056
.593	.004	-.462	.002	.185	.019	.213	.024	.214	.041	.214	.051	.221	-.000
.632	-.012	-.329	-.013	.289	.006	.297	.016	.298	.015	.489	.008	.295	-.019
.670	-.003	-.172	-.048	.398	.004	.400	-.012	.397	-.003	.594	.005	.396	-.016
.747	-.094	-.030	-.077	.519	-.025	.498	-.015	.501	-.007	.700	.096	.497	-.025
.766	-.120	.128	-.045	.620	.012	.604	-.012	.603	.002	.786	.184	.597	-.002
.785	-.188	.418	-.022	.737	.086	.705	.073	.703	.095	.858	.254	.702	.087
.804	-.170	.564	.014	.821	.194	.785	.163	.784	.199	.919	.253	.786	.163
.823	-.168	.710	.079	.914	.217	.859	.250	.868	.259	.967	.147	.864	.228
.842	-.141	.857	.179	.586	.100	.922	.224	.923	.253			.912	.215
.861	-.067	.976	.191	1.012	.032	.967	.118	.972	.145			.985	.038
.881	-.030	1.072	.131			1.000	.023						
.900	-.002	1.110	.074										
.938	.051												
LOWER SURFACE													
CN =		.4808		.4848		.4883		.4907		.4852		.3934	
CN =		.1162		.0131		-.0132		-.0282		-.0292		-.0211	

TABLE II-304 CONFIGURATION 136 $M = 0.25$ $Q = 115$ $\alpha = 5.92^\circ$ $C_T = 0.5592$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
.019	.074												
.057	-.111												
.076	-.164												
.080	-.107	-.658	-.363	-.021	-1.410	.023	-1.706	.025	-1.487	.022	-1.515	.018	-1.269
.085	-.147	-.565	-.383	.035	-.903	.068	-.991	.079	-.850	.075	-.793	.077	-.714
.093	-.118	-.452	-.440	.105	-.714	.134	-.706	.133	-.683	.129	-.629	.129	-.554
.113	-.050	-.311	-.413	.178	-.611	.209	-.551	.214	-.498	.201	-.495	.209	-.420
.115	.021	-.023	-.371	.286	-.481	.294	-.460	.295	-.430	.294	-.389	.293	-.349
.137	-.049	.133	-.287	.396	-.381	.404	-.396	.407	-.371	.397	-.368	.396	-.289
.138	-.013	.272	-.227	.514	-.323	.497	-.328	.502	-.341	.495	-.309	.494	-.276
.163	-.070	.416	-.195	.618	-.244	.599	-.303	.601	-.322	.594	-.302	.590	-.242
.162	-.030	.565	-.169	.733	-.192	.700	-.293	.698	-.292	.693	-.287	.693	-.252
.209	-.178	.713	-.144	.835	-.157	.782	-.253	.780	-.289	.784	-.291	.777	-.260
.247	-.265	.854	-.107	.919	-.084	.864	-.230	.863	-.265	.856	-.254	.861	-.225
.276	-.306	.980	-.101	.587	-.023	.926	-.154	.923	-.167	.926	-.180	.918	-.197
.324	-.292	1.074	-.056			.975	-.056	.977	-.068	.977	-.150	.972	-.071
.361	-.210	1.122	-.019										
.396	-.151												
.438	-.110												
.487	-.013												
.518	.012	-.658	.052	-.022	.351	.024	.456	.025	.481	.019	.509	.020	.485
.556	.011	-.615	.080	.038	.233	.075	.231	.074	.270	.066	.264	.076	.175
.574	.014	-.572	.064	.101	.134	.137	.138	.130	.158	.136	.152	.136	.100
.593	-.003	-.462	.039	.185	.101	.213	.057	.214	.121	.214	.114	.221	.030
.632	-.007	-.329	.020	.289	.058	.297	.049	.298	.071	.489	.053	.295	.020
.670	-.009	-.172	-.043	.398	-.001	.400	.012	.397	.040	.594	.024	.396	-.003
.747	-.084	-.030	-.028	.519	.008	.498	.005	.501	.024	.700	.104	.497	-.007
.766	-.138	.128	-.009	.620	.033	.604	.006	.603	.017	.786	.192	.597	.020
.785	-.198	.416	.005	.737	.058	.705	.074	.703	.113	.858	.264	.702	.088
.804	-.177	.564	.025	.831	.194	.785	.174	.784	.205	.919	.264	.786	.154
.823	-.176	.710	.099	.914	.211	.859	.236	.868	.264	.967	.147	.864	.221
.842	-.140	.857	.183	.986	.102	.922	.228	.923	.270			.912	.217
.861	-.072	.976	.197	1.012	.015	.967	.117	.972	.134			.985	.039
.881	-.041	1.072	.148			1.000	.003						
.900	-.013	1.110	.061										
.938	.032												
CM =			.5488		.5422		.5614		.5778		.5683		.4556
CM =			.1394		.0216		-.0016		-.0148		-.0190		-.0116

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-305 CONFIGURATION 136 $M = 0.25$ $Q = 115$ $\alpha = 7.94^\circ$ $C_L = 0.7142$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .480 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
.019 .037						
.057 .137						
.076 .166						
.080 .137						
.085 .159						
.093 .141						
.113 .054						
.115 .008						
.137 .071						
.138 .026						
.163 .080						
.162 .055						
.209 .205						
.247 .296						
.276 .327						
.324 .310						
.361 .240						
.396 .181						
.438 .138						
.487 .037						
.518 .007						
.556 .016						
.574 .011						
.593 .011						
.632 .006						
.670 .006						
.747 .082						
.766 .124						
.785 .194						
.804 .187						
.823 .180						
.842 .152						
.861 .088						
.881 .051						
.900 .013						
.938 .032						
CN =						
CM =						

UPPER SURFACE

LOWER SURFACE

TABLE II-306 CONFIGURATION 136 $M = 0.25$ $Q = 115$ $\alpha = 9.95^\circ$ $C_L = 0.8708$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .480 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
.019 .020						
.057 .158						
.076 .190						
.080 .134						
.085 .172						
.093 .148						
.113 .058						
.115 .020						
.137 .079						
.138 .043						
.163 .105						
.162 .088						
.209 .226						
.247 .327						
.276 .350						
.324 .333						
.361 .260						
.396 .207						
.438 .158						
.487 .050						
.518 .011						
.556 .005						
.574 .005						
.593 .008						
.632 .004						
.670 .013						
.747 .085						
.766 .137						
.785 .198						
.804 .189						
.823 .190						
.842 .152						
.861 .097						
.881 .067						
.900 .028						
.938 .019						
CN =						
CM =						

UPPER SURFACE

LOWER SURFACE

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE II-307 CONFIGURATION 136 M = 0.25 Q = 115 $\alpha = 10.94^\circ$ $C_L = 0.9333$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.003												
.057	-.172												
.076	-.179												
.080	-.141	-.658	-.705	-.021	-3.481	.023	-3.339	.025	-1.174	.022	-.680	.018	-.401
.085	-.170	-.565	-.687	.035	-1.732	.068	-2.625	.079	-1.157	.075	-.644	.077	-.374
.093	-.140	-.452	-.645	.105	-1.164	.134	-1.152	.133	-1.154	.129	-.652	.129	-.382
.113	-.081	-.311	-.596	.178	-.904	.209	-.682	.214	-1.116	.201	-.613	.209	-.389
.115	-.018	-.023	-.473	.286	-.723	.294	-.551	.295	-1.085	.294	-.630	.293	-.352
.137	-.090	.133	-.411	.356	-.554	.404	-.488	.407	-1.172	.397	-.560	.396	-.349
.138	-.058	.272	-.321	.514	-.356	.497	-.376	.502	-.990	.495	-.525	.494	-.346
.163	-.117	.416	-.283	.618	-.340	.599	-.277	.601	-.876	.594	-.488	.590	-.324
.162	-.103	.565	-.240	.733	-.255	.700	-.209	.698	-.682	.693	-.513	.693	-.299
.209	-.229	.713	-.207	.835	-.180	.782	-.144	.780	-.568	.784	-.463	.777	-.289
.247	-.326	.854	-.160	.919	-.144	.864	-.097	.863	-.535	.856	-.428	.861	-.270
.276	-.376	.980	-.096	.987	-.109	.926	-.087	.923	-.245	.926	-.401	.918	-.257
.324	-.330	1.074	-.059			.975	-.067	.977	-.198	.977	-.337	.972	-.259
.361	-.283	1.122	-.026										
.396	-.228												
.438	-.152												
.487	-.064												
.518	-.015	-.658	.006	-.022	.025	.024	.471	.025	.558	.019	.551	.020	.516
.556	.009	-.615	.085	.038	.382	.075	.472	.074	.464	.066	.395	.076	.276
.574	.002	-.572	.144	.101	.349	.137	.371	.130	.366	.136	.289	.136	.165
.593	-.015	-.462	.133	.185	.262	.213	.250	.214	.247	.214	.182	.221	.087
.632	-.020	-.329	.125	.289	.194	.297	.199	.298	.204	.289	.031	.295	.033
.670	-.016	-.172	.090	.398	.158	.400	.152	.397	.139	.594	.002	.396	.008
.747	-.096	-.030	.065	.519	.058	.498	.104	.501	.093	.700	.045	.497	-.022
.766	-.132	.128	.098	.620	.137	.604	.078	.603	.070	.786	.095	.597	-.048
.785	-.182	.418	.112	.737	.144	.705	.112	.703	.122	.858	.169	.702	.026
.804	-.195	.564	.122	.831	.217	.785	.197	.784	.204	.919	.161	.786	.087
.823	-.179	.710	.177	.914	.222	.859	.259	.868	.228	.967	-.050	.864	.141
.842	-.158	.857	.267	.986	.056	.922	.230	.923	.195			.912	.136
.861	-.103	.976	.249	1.012	-.054	.967	.107	.972	.011			.985	-.150
.881	-.068	1.072	.179			1.000	-.054						
.900	-.030	1.110	.112										
.938	.012												
CN =			.9149		.9140		.8567		1.0722		.6690		.4051
CM =			.2583		.0717		.0734		-.0510		-.0457		-.0274

TABLE II-308 CONFIGURATION 136 M = 0.25 Q = 115 $\alpha = 11.98^\circ$ $C_L = 1.0039$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .480		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	-.002												
.057	-.172												
.076	-.188												
.080	-.156	-.658	-.763	-.021	-4.077	.023	-2.330	.025	-1.111	.022	-.592	.018	-.394
.085	-.175	-.565	-.738	.035	-1.885	.068	-2.608	.079	-1.029	.075	-.616	.077	-.340
.093	-.154	-.452	-.707	.105	-1.325	.134	-2.401	.133	-1.056	.129	-.562	.129	-.332
.113	-.084	-.311	-.644	.178	-.996	.209	-1.775	.214	-1.011	.201	-.564	.209	-.320
.115	-.022	-.023	-.509	.286	-.791	.294	-.513	.295	-1.024	.294	-.505	.293	-.332
.137	-.087	.133	-.463	.396	-.601	.404	-.341	.407	-.980	.397	-.522	.396	-.325
.138	-.083	.272	-.373	.514	-.465	.497	-.271	.502	-.876	.495	-.500	.494	-.313
.163	-.103	.416	-.314	.618	-.408	.599	-.254	.601	-.859	.594	-.465	.590	-.310
.162	-.125	.565	-.318	.733	-.301	.700	-.208	.698	-.843	.692	-.475	.693	-.313
.209	-.264	.713	-.199	.825	-.264	.782	-.154	.780	-.748	.784	-.453	.777	-.290
.247	-.330	.854	-.189	.919	-.168	.864	-.114	.863	-.607	.856	-.451	.861	-.285
.276	-.381	.980	-.134	.987	-.134	.926	-.089	.923	-.614	.926	-.412	.918	-.280
.324	-.347	1.074	-.069			.975	-.083	.977	-.574	.977	-.322	.972	-.281
.361	-.286	1.122	-.023										
.396	-.239												
.438	-.164												
.487	-.067												
.518	-.002	-.658	-.017	-.022	-.115	.024	.451	.025	.547	.019	.545	.020	.497
.556	.006	-.615	.084	.038	.460	.075	.489	.074	.476	.066	.396	.076	.289
.574	-.015	-.572	.125	.101	.372	.137	.400	.130	.356	.136	.283	.136	.186
.593	-.020	-.462	.146	.185	.267	.213	.298	.214	.258	.214	.155	.221	.083
.632	-.024	-.329	.146	.289	.246	.297	.253	.298	.224	.489	.017	.295	.044
.670	-.019	-.172	.101	.398	.177	.400	.167	.397	.143	.594	-.020	.396	.006
.747	-.092	-.030	.091	.519	.122	.498	.122	.501	.070	.700	.030	.497	-.024
.766	-.126	.128	.120	.620	.123	.604	.086	.603	.051	.786	.086	.597	-.042
.785	-.205	.418	.105	.737	.150	.705	.120	.703	.085	.858	.160	.702	.015
.804	-.190	.564	.152	.831	.214	.785	.195	.784	.135	.919	.142	.786	.081
.823	-.183	.710	.197	.914	.219	.859	.245	.868	.189	.967	-.071	.864	.139
.842	-.165	.857	.274	.986	.047	.922	.236	.923	.137			.912	.131
.861	-.110	.976	.259	1.012	-.107	.967	.109	.972	-.134			.985	-.178
.881	-.072	1.072	.192			1.000	-.052						
.900	-.036	1.110	.115										
.938	.006												
CN =			1.0133		1.0259		.9716		1.0585		.6214		.389
CM =			.2811		.0770		.0912		-.0791		-.0446		-.029

~~CONFIDENTIAL~~

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

TABLE II-309 CONFIGURATION 136 $M = 0.25$ $Q = 115$ $\alpha = 13.06^\circ$ $C_L = 1.0738$ $\beta = 0^\circ$

STA .044		STA .123		STA .307		STA .480		STA .653		STA .824		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	-.311												
.057	-.174												
.076	-.264												
.086	-.163	-.658	-.869	-.021	-4.720	.023	-2.052	.025	-.826	.022	-.527	.018	-.360
.085	-.180	-.565	-.764	.035	-2.025	.068	-1.933	.079	-.879	.075	-.526	.077	-.351
.093	-.149	-.452	-.783	.105	-1.408	.134	-2.222	.133	-.856	.129	-.484	.129	-.360
.113	-.075	-.311	-.673	.178	-1.127	.209	-2.025	.214	-.805	.201	-.499	.209	-.326
.115	-.042	-.023	-.526	.286	-.889	.294	-1.866	.295	-.770	.294	-.515	.293	-.318
.137	-.088	.133	-.438	.396	-.693	.404	-1.179	.437	-.765	.397	-.470	.396	-.323
.138	-.092	.272	-.417	.514	-.565	.497	-1.109	.502	-.748	.495	-.497	.494	-.329
.163	-.121	.416	-.365	.618	-.460	.599	-.265	.601	-.723	.594	-.474	.590	-.321
.162	-.144	.565	-.320	.733	-.324	.700	-.189	.698	-.740	.693	-.443	.693	-.318
.209	-.274	.713	-.244	.835	-.232	.782	-.190	.780	-.695	.784	-.422	.777	-.321
.247	-.353	.854	-.172	.919	-.171	.864	-.154	.863	-.681	.856	-.408	.861	-.301
.276	-.387	.980	-.137	.927	-.121	.926	-.122	.923	-.619	.926	-.396	.918	-.291
.324	-.373	1.074	-.066			.975	-.082	.977	-.623	.977	-.328	.972	-.298
.361	-.309	1.122	-.032										
.396	-.254												
.438	-.180												
.487	-.060												
LOWER SURFACE													
.518	-.325	-.558	-.029	-.022	-.247	.024	.439	.025	.567	.019	.537	.020	.498
.556	-.000	-.615	.079	.028	.358	.075	.528	.074	.492	.066	.414	.076	.316
.574	-.010	-.572	.124	.101	.394	.137	.409	.130	.358	.136	.292	.136	.173
.593	-.030	-.462	.162	.185	.333	.213	.328	.214	.287	.214	.212	.221	.117
.632	-.021	-.329	.167	.289	.262	.297	.242	.298	.199	.489	.036	.295	.058
.670	-.020	-.172	.137	.398	.217	.400	.179	.397	.148	.594	-.027	.396	.015
.747	-.091	-.030	.126	.519	.147	.498	.132	.501	.088	.700	.036	.497	-.013
.766	-.139	.128	.132	.620	.125	.634	.085	.603	.018	.786	.084	.597	-.049
.785	-.199	.418	.138	.727	.170	.705	.128	.703	.067	.858	.161	.702	.023
.804	-.197	.594	.158	.821	.226	.785	.183	.784	.117	.919	.155	.786	.073
.823	-.190	.710	.214	.914	.211	.859	.241	.868	.147	.967	-.065	.864	.127
.842	-.169	.857	.267	.986	.053	.922	.229	.923	.118			.912	.122
.861	-.121	.976	.270	1.012	-.107	.967	.089	.972	-.188			.985	-.189
.881	-.080	1.072	.193			1.070	-.083						
.900	-.054	1.110	.116										
.938	-.033												
CN =		1.0848		1.1313		1.2385		.9197		.5992		.4013	
CM =		.3067		.0891		.0657		-.0794		-.0451		-.0311	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

INDEX TO TABLE III

Table III - Sheet numbers	Config. number	Mach number	Dynamic pressure, lb/ft ² (N/m ²)	Angle-of-attack range, deg	Lift-coefficient range	Angle of sideslip, deg
1 to 10	140	1.30	891 (42 661)	-6.05 to 11.97	-0.5305 to 0.9522	0
11 to 20	140	1.20	868 (41 560)	-6.09 to 12.01	-.5857 to 1.0371	0
21 to 31	140	1.02	785 (37 586)	-6.40 to 14.07	-.6554 to 1.2436	0
32 to 41	140	.99	766 (36 676)	-3.91 to 14.07	-.4686 to 1.2467	0
42 to 52	140	.95	739 (35 384)	-6.44 to 14.06	-.6532 to 1.1950	0

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

TABLE III-1

CONFIGURATION 140

M = 1.30

Q = 891

 $\alpha = -6.05^{\circ}$ $C_L = -0.5305$ $\beta = 0^{\circ}$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .458 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
UPPER SURFACE						
.019 .435	-.658 .100	-.021 .291	.023 .330	-.025 .339	.022 .457	.018 .527
.057 .203	-.565 .046	.035 .068	.068 .175	.079 .216	.075 .248	.077 .289
.076 .088	-.452 -.005	.105 .033	.134 .115	.133 .165	.129 .214	.129 .246
.080 .021	-.311 -.082	.178 -.006	.209 .067	.214 .117	.201 .155	.209 .209
.085 .028	-.023 -.153	.286 -.032	.294 .032	.295 .093	.294 .141	.293 .181
.093 -.056	.133 -.123	.396 -.070	.404 .002	.407 .081	.397 .134	.396 .132
.113 -.024	.272 -.088	.514 -.074	.497 -.015	.502 .057	.495 .085	.494 .086
.115 -.077	.416 -.064	.618 -.063	.599 -.020	.601 .017	.594 .044	.590 .026
.137 .037	.565 -.043	.733 -.056	.700 -.069	.698 -.034	.693 -.022	.693 -.036
.138 .004	.713 .002	.835 -.071	.782 -.113	.780 -.108	.784 -.104	.777 -.131
.163 .101	.854 .026	.919 -.117	.864 -.194	.863 -.224	.856 -.198	.861 -.229
.162 .150	.980 .035	.987 -.225	.926 -.277	.923 -.312	.926 -.311	.918 -.320
.209 .101	1.074 .001		.975 -.363	.977 -.432	.977 -.445	.972 -.430
.247 .036	1.122 -.077					
.276 -.024			LOWER SURFACE			
.324 -.143	-.658 -.047	-.022 -.263	.024 -.371	-.025 -.404	.019 -.404	.020 -.471
.361 -.137	-.615 -.073	.038 -.523	.075 -.438	.074 -.494	.066 -.540	.221 -.551
.396 -.112	-.572 -.113	.101 -.551	.137 -.492	.130 -.510	.136 -.538	.295 -.548
.438 -.063	-.462 -.180	.185 -.568	.213 -.498	.214 -.508	.214 -.532	.396 -.546
.487 .081	-.172 -.180	.289 -.510	.297 -.506	.298 -.486	.292 -.524	.497 -.521
.518 .127	-.030 -.237	.398 -.461	.400 -.532	.397 -.469	.403 -.503	.597 -.504
.556 .146	.128 -.285	.518 -.488	.498 -.538	.501 -.484	.489 -.500	.702 -.479
.574 .132	.273 -.120	.620 -.477	.604 -.510	.603 -.417	.594 -.497	.786 -.456
.593 .073	.418 -.276	.737 -.317	.705 -.496	.703 -.371	.700 -.473	.864 -.447
.670 .066	.564 -.282	.831 -.214	.785 -.475	.784 -.369	.786 -.464	.912 -.421
.747 .009	.710 -.284	.914 -.164	.859 -.444	.868 -.373	.919 -.403	.985 -.382
.766 -.013	.857 -.152	.986 -.085	.922 -.392	.923 -.380	.967 -.377	
.785 -.119	.976 -.068	1.012 -.052	.967 -.350	.972 -.369		
.804 -.189	1.072 .007		1.000 -.303			
.823 -.218	1.110 -.013					
.842 -.238						
.861 -.178						
.900 .016						
.938 .008						
CN=	-.2741	-.3810	-.4528	-.4447	-.5207	-.5434
CM=	-.0270	-.0078	.0231	.0045	.0129	.0136

TABLE III-2

CONFIGURATION 140

M = 1.30

Q = 891

 $\alpha = -3.79^{\circ}$ $C_L = -0.3617$ $\beta = 0^{\circ}$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .458 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
UPPER SURFACE						
.019 .385	-.658 .069	-.021 .198	.023 .194	-.025 .214	.022 .356	.018 .419
.057 .159	-.565 .009	.035 -.047	.068 .057	.079 .091	.075 .155	.077 .167
.076 .035	-.452 -.034	.105 -.066	.134 -.004	.133 .049	.129 .107	.129 .139
.080 -.000	-.311 -.117	.178 -.099	.209 -.041	.214 .016	.201 .053	.209 .107
.085 -.014	-.023 -.191	.286 -.110	.294 -.065	.295 .006	.294 .034	.293 .093
.093 -.082	.133 -.168	.396 -.146	.404 -.080	.407 -.013	.397 .038	.396 .044
.113 -.062	.272 -.129	.514 -.137	.497 -.102	.502 -.041	.495 .010	.494 .019
.115 -.094	.416 -.109	.618 -.137	.599 -.106	.601 -.076	.594 -.030	.590 -.028
.137 .006	.565 -.087	.733 -.128	.700 -.143	.698 -.108	.693 -.081	.693 -.084
.138 -.006	.713 -.040	.835 -.141	.782 -.182	.780 -.168	.784 -.166	.777 -.174
.163 .069	.854 -.016	.919 -.166	.864 -.273	.863 -.274	.856 -.239	.861 -.264
.162 .140	.980 .012	.987 -.209	.926 -.344	.923 -.355	.926 -.355	.918 -.352
.209 .076	1.074 -.045		.975 -.327	.977 -.452	.977 -.484	.972 -.441
.247 .009	1.122 -.086					
.276 -.051			LOWER SURFACE			
.324 -.173	-.658 .020	-.022 -.152	.024 -.239	-.025 -.276	.019 -.273	.020 -.286
.361 -.164	-.615 -.015	.038 -.416	.075 -.331	.074 -.412	.066 -.447	.221 -.481
.396 -.137	-.572 -.047	.101 -.448	.137 -.416	.130 -.431	.136 -.465	.295 -.480
.438 -.092	-.462 -.117	.185 -.393	.213 -.434	.214 -.437	.214 -.464	.396 -.496
.487 .047	-.172 -.152	.289 -.401	.297 -.436	.298 -.434	.292 -.459	.497 -.509
.518 .082	-.030 -.217	.398 -.413	.400 -.457	.397 -.451	.403 -.474	.597 -.550
.556 .104	.128 -.257	.518 -.412	.498 -.489	.501 -.446	.489 -.488	.702 -.517
.574 .084	.273 -.146	.620 -.411	.604 -.536	.603 -.426	.594 -.471	.786 -.501
.593 .040	.418 -.236	.737 -.285	.705 -.526	.703 -.415	.700 -.470	.864 -.398
.670 .051	.564 -.249	.831 -.157	.785 -.394	.784 -.422	.786 -.484	.912 -.295
.747 -.003	.710 -.248	.914 -.112	.859 -.267	.868 -.428	.919 -.407	.985 -.258
.766 -.028	.857 -.106	.986 -.035	.922 -.211	.923 -.401	.967 -.333	
.785 -.130	.976 -.011	1.012 -.026	.967 -.160	.972 -.341		
.804 -.190	1.072 .044		1.000 -.165			
.823 -.213	1.110 .016					
.842 -.228						
.861 -.166						
.900 .000						
.938 -.072						
CN=	-.1304	-.2202	-.2926	-.3403	-.4077	-.4311
CM=	-.0094	-.0138	.0034	.0091	.0118	.0118

~~CONFIDENTIAL~~

TABLE III-3				CONFIGURATION 140				M = 1.30		Q = 891		$\alpha = -1.87^\circ$		$C_L = -0.2077$		$\beta = 0^\circ$	
STA .044		STA .133		STA .307		STA .458		STA .653		STA .804		STA .933					
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE																	
.019	.349	-.658	.031	-.021	.082	.023	.085	.025	.095	.022	.244	.018	.315				
.057	.134	-.565	-.026	.035	-.156	.068	-.059	.079	-.014	.075	.037	.077	.057				
.076	.015	-.452	-.066	.105	-.174	.134	-.092	.133	-.044	.129	.005	.129	.030				
.080	-.015	-.311	-.146	.178	-.183	.209	-.137	.214	-.087	.201	-.040	.209	.021				
.085	-.033	-.023	-.224	.286	-.203	.294	-.145	.295	-.080	.294	-.041	.293	.002				
.093	-.076	.133	-.193	.396	-.214	.404	-.181	.407	-.095	.397	-.066	.396	-.034				
.113	-.073	.272	-.159	.514	-.201	.497	-.185	.502	-.118	.495	-.064	.494	-.062				
.115	-.100	.416	-.135	.618	-.194	.599	-.174	.601	-.146	.594	-.101	.590	-.083				
.137	-.004	.565	-.119	.733	-.200	.700	-.206	.698	-.173	.693	-.145	.693	-.133				
.138	-.005	.713	-.082	.835	-.201	.782	-.240	.780	-.234	.784	-.219	.777	-.216				
.163	.053	.854	-.055	.919	-.221	.864	-.322	.863	-.329	.856	-.296	.861	-.299				
.162	.147	.980	-.056	.987	-.159	.926	-.395	.923	-.398	.926	-.396	.918	-.383				
.209	.065	1.074	-.084			.975	-.182	.977	-.463	.977	-.501	.972	-.474				
.247	-.008	1.122	-.108														
.276	-.070					LOWER SURFACE											
.324	-.186	-.658	.056	-.022	-.023	.024	-.091	.025	-.166	.019	-.181	.020	-.173				
.361	-.173	-.615	.017	.038	-.306	.075	-.235	.074	-.334	.066	-.370	.221	-.435				
.396	-.151	-.572	-.008	.101	-.311	.137	-.347	.130	-.353	.136	-.405	.295	-.428				
.438	-.100	-.462	-.073	.185	-.336	.213	-.371	.214	-.367	.214	-.421	.396	-.441				
.487	.022	-.172	-.127	.289	-.347	.297	-.376	.298	-.384	.292	-.401	.497	-.463				
.518	.054	-.030	-.189	.398	-.355	.400	-.401	.397	-.404	.403	-.417	.597	-.511				
.556	.074	.128	-.238	.518	-.336	.498	-.429	.501	-.430	.489	-.441	.702	-.483				
.574	.058	.273	-.152	.620	-.377	.604	-.469	.603	-.485	.594	-.438	.786	-.472				
.593	.007	.418	-.200	.737	-.233	.705	-.459	.703	-.488	.700	-.428	.864	-.349				
.670	.043	.564	-.215	.831	-.112	.785	-.247	.784	-.444	.786	-.434	.912	-.209				
.747	.000	.710	-.213	.914	-.046	.859	-.220	.868	-.168	.919	-.358	.985	-.147				
.766	-.025	.857	-.059	.986	.024	.922	-.188	.923	-.109	.967	-.248						
.785	-.121	.976	.023	1.012	-.035	.967	-.152	.972	-.140								
.804	-.179	1.072	.076			1.000	-.153										
.823	-.200	1.110	.037														
.842	-.214																
.861	-.147																
.900	-.009																
.938	-.032																
CN=		-.0121		-.0756		-.1558		-.2030		-.2779		-.3071					
CM=		.0016		-.0192		-.0036		-.0111		.0003		.0004					

TABLE III-4															
CONFIGURATION 140						M = 1.30		Q = 891		$\alpha = 0.09^\circ$		$C_L = -0.0395$		$\beta = 0^\circ$	
STA .044		STA .133		STA .307		STA .458		STA .653		STA .804		STA .933			
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP		
UPPER SURFACE															
.019	.341	-.658	.002	-.021	-.064	.023	-.021	.025	-.018	.022	.123	.018	.187		
.057	.086	-.565	-.058	.035	-.283	.068	-.175	.079	-.124	.075	-.082	.077	-.035		
.076	-.028	-.452	-.101	.105	-.284	.134	-.195	.133	-.157	.129	-.092	.129	-.064		
.080	-.027	-.311	-.184	.178	-.279	.209	-.231	.214	-.173	.201	-.142	.209	-.091		
.085	-.074	-.023	-.262	.286	-.282	.294	-.259	.295	-.175	.294	-.136	.293	-.094		
.093	-.096	.133	-.228	.396	-.290	.404	-.279	.407	-.188	.397	-.146	.396	-.118		
.113	-.103	.272	-.191	.514	-.267	.497	-.285	.502	-.213	.495	-.160	.494	-.137		
.115	-.113	.416	-.169	.618	-.248	.599	-.270	.601	-.234	.594	-.175	.590	-.168		
.137	-.031	.565	-.149	.733	-.251	.700	-.286	.698	-.263	.693	-.213	.693	-.203		
.138	-.014	.713	-.113	.835	-.261	.782	-.317	.780	-.308	.784	-.277	.777	-.266		
.163	.030	.854	-.096	.919	-.269	.864	-.376	.863	-.388	.856	-.346	.861	-.341		
.162	.134	.980	-.098	.987	-.115	.926	-.376	.923	-.456	.926	-.446	.918	-.415		
.209	.037	1.074	-.121			.975	-.167	.977	-.368	.977	-.484	.972	-.490		
.247	-.033	1.122	-.135												
.276	-.105					LOWER SURFACE									
.324	-.212	-.658	-.092	-.022	.097	.024	.030	.025	-.077	.019	-.078	.020	-.049		
.361	-.198	-.615	.067	.038	-.170	.075	-.149	.074	-.211	.066	-.293	.221	-.368		
.396	-.166	-.572	.038	.101	-.216	.137	-.272	.130	-.278	.136	-.333	.295	-.373		
.438	-.127	-.462	-.038	.185	-.259	.213	-.295	.214	-.314	.214	-.343	.396	-.398		
.487	-.014	-.172	-.101	.289	-.277	.297	-.299	.298	-.311	.292	-.341	.497	-.417		
.518	.020	-.030	-.169	.398	-.260	.400	-.316	.397	-.342	.403	-.360	.597	-.471		
.556	.034	.128	-.212	.518	-.284	.498	-.364	.501	-.383	.489	-.385	.702	-.496		
.574	.019	.273	-.150	.620	-.344	.604	-.415	.603	-.442	.594	-.382	.786	-.410		
.593	-.029	.418	-.162	.737	-.169	.705	-.242	.703	-.442	.700	-.361	.864	-.213		
.670	.023	.564	-.181	.831	-.053	.785	-.177	.784	-.287	.786	-.344	.912	-.097		
.747	-.013	.710	-.181	.914	.031	.859	-.176	.868	-.098	.919	-.314	.985	-.127		
.766	-.037	.857	-.017	.986	.080	.922	-.145	.923	-.072	.967	-.257				
.785	-.133	.976	.075	1.012	-.054	.967	-.111	.972	-.104						
.804	-.185	1.072	.122			1.000	-.151								
.823	-.208	1.110	.076												
.842	-.215														
.861	-.153														
.900	-.028														
.938	-.061														
CN=		.1141		.0759		.0092		-.0546		-.1373		-.1720			
CM=		.0129		-.0237		-.0183		-.0238		-.0098		-.0112			

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE III-5 CONFIGURATION 140 M = 1.30 Q = 891 $\alpha = 1.98^\circ$ $C_L = 0.1317$ $\beta = 0^\circ$													
STA .044		STA .133		STA .307		STA .458		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.329	-.658	-.038	-.021	-.224	.023	-.120	.025	-.124	.022	.031	.018	-.074
.057	.055	-.565	-.104	.035	-.363	.068	-.274	.079	-.202	.075	-.187	.077	-.129
.076	-.058	-.452	-.137	.105	-.409	.134	-.306	.133	-.246	.129	-.187	.129	-.155
.080	-.030	-.311	-.218	.178	-.397	.209	-.317	.214	-.263	.201	-.215	.209	-.174
.085	-.090	-.023	-.298	.286	-.386	.294	-.338	.295	-.262	.294	-.223	.293	-.177
.093	-.099	.133	-.256	.396	-.362	.404	-.358	.407	-.272	.397	-.231	.396	-.197
.113	-.109	.272	-.218	.514	-.333	.497	-.374	.502	-.287	.495	-.254	.494	-.215
.115	-.111	.416	-.197	.618	-.298	.599	-.375	.601	-.300	.594	-.262	.590	-.238
.137	-.038	.565	-.176	.733	-.297	.700	-.379	.698	-.326	.693	-.289	.693	-.265
.138	-.012	.713	-.146	.835	-.300	.782	-.384	.780	-.372	.784	-.337	.777	-.327
.163	.020	.854	-.131	.919	-.312	.864	-.424	.863	-.451	.856	-.402	.861	-.385
.162	.132	.990	-.139	.987	-.116	.926	-.318	.923	-.499	.926	-.484	.918	-.451
.209	.024	1.074	-.158			.975	-.208	.977	-.312	.977	-.494	.972	-.509
.247	-.053	1.122	-.176										
.276	-.125												
.324	-.225	-.658	.112	-.022	.222	.024	.147	.025	.010	.019	.026	.020	.069
.361	-.202	-.615	.103	.038	-.083	.075	-.073	.074	-.144	.066	-.212	.221	-.300
.396	-.178	-.572	.082	.101	-.128	.137	-.168	.130	-.184	.136	-.255	.295	-.298
.438	-.141	-.462	.007	.185	-.177	.213	-.205	.214	-.227	.214	-.265	.396	-.326
.487	-.036	-.172	-.073	.289	-.191	.297	-.205	.298	-.234	.292	-.258	.497	-.360
.518	-.006	-.030	-.140	.398	-.179	.400	-.245	.397	-.268	.403	-.296	.597	-.419
.556	.016	.128	-.184	.518	-.236	.498	-.274	.501	-.298	.489	-.315	.702	-.444
.574	-.004	.273	-.141	.620	-.296	.604	-.342	.603	-.374	.594	-.379	.786	-.311
.593	-.058	.418	-.118	.737	-.082	.705	-.138	.703	-.456	.700	-.380	.864	-.082
.670	.010	.564	-.139	.831	.010	.785	-.122	.784	-.161	.786	-.330	.912	-.040
.747	-.017	.710	-.137	.914	.110	.859	-.129	.868	-.060	.919	.045	.985	-.117
.766	-.038	.857	.040	.986	.141	.922	-.117	.923	.019	.967	.133		
.785	-.133	.976	.129	1.012	-.086	.967	-.106	.972	.047				
.804	-.180	1.072	.169			1.000	-.208						
.823	-.198	1.110	.114										
.842	-.210												
.861	-.143												
.900	-.035												
.938	-.079												
CN=		.2465		.2319		.1613		.0907		.0343		-.0303	
CM=		.0238		-.0308		-.0286		-.0388		-.0440		-.0255	

TABLE III-6 CONFIGURATION 140 M = 1.30 Q = 891 $\alpha = 4.01^\circ$ $C_L = 0.3095$ $\beta = 0^\circ$													
STA .044		STA .133		STA .307		STA .458		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.295	-.658	-.094	-.021	-.343	.023	-.225	.025	-.227	.022	-.065	.018	-.014
.057	.014	-.565	-.166	.035	-.471	.068	-.365	.079	-.300	.075	-.267	.077	-.224
.076	-.090	-.452	-.180	.105	-.486	.134	-.384	.133	-.332	.129	-.278	.129	-.265
.080	-.041	-.311	-.253	.178	-.502	.209	-.399	.214	-.341	.201	-.304	.209	-.256
.085	-.113	-.023	-.332	.286	-.489	.294	-.403	.295	-.342	.294	-.307	.293	-.259
.093	-.115	.133	-.287	.396	-.478	.404	-.415	.407	-.353	.397	-.311	.396	-.277
.113	-.127	.272	-.252	.514	-.414	.497	-.420	.502	-.363	.495	-.317	.494	-.287
.115	-.126	.416	-.231	.618	-.368	.599	-.425	.601	-.375	.594	-.330	.590	-.299
.137	-.054	.565	-.211	.733	-.342	.700	-.435	.698	-.395	.693	-.356	.693	-.326
.138	-.020	.713	-.178	.835	-.338	.782	-.469	.780	-.429	.784	-.401	.777	-.370
.163	.006	.854	-.166	.919	-.284	.864	-.527	.863	-.491	.856	-.452	.861	-.430
.162	.126	.980	-.174	.987	-.130	.926	-.314	.923	-.534	.926	-.519	.918	-.487
.209	.002	1.074	-.193			.975	-.293	.977	-.364	.977	-.472	.972	-.503
.247	-.077	1.122	-.227										
.276	-.148												
.324	-.243	-.658	.137	-.022	.329	.024	.254	.025	.133	.019	.140	.020	.163
.361	-.220	-.615	.140	.038	.020	.075	-.033	.074	-.035	.066	-.120	.221	-.218
.396	-.201	-.572	.125	.101	-.028	.137	-.062	.130	-.093	.136	-.150	.295	-.196
.438	-.168	-.462	.050	.185	-.101	.215	-.096	.214	-.129	.214	-.151	.396	-.246
.487	-.063	-.172	-.045	.289	-.083	.297	-.094	.298	-.136	.292	-.159	.497	-.275
.518	-.035	-.030	-.105	.398	-.124	.400	-.151	.397	-.172	.403	-.197	.597	-.360
.556	-.018	.128	-.152	.518	-.193	.498	-.211	.501	-.211	.489	-.218	.702	-.388
.574	-.039	.273	-.129	.620	-.243	.604	-.298	.603	-.311	.594	-.313	.786	-.102
.593	-.088	.418	-.079	.737	-.003	.705	-.041	.703	-.274	.700	-.389	.864	-.061
.670	.002	.564	-.098	.831	.101	.785	-.040	.784	-.081	.786	-.156	.912	-.033
.747	-.024	.710	-.088	.914	.196	.859	-.066	.868	-.041	.919	.082	.985	-.077
.766	-.046	.857	.094	.986	.188	.922	-.064	.923	.036	.967	.158		
.785	-.135	.976	.192	1.012	-.121	.967	-.059	.972	.071				
.804	-.178	1.072	.221			1.000	-.282						
.823	-.196	1.110	.157										
.842	-.203												
.861	-.140												
.900	-.047												
.938	-.107												
CN=		.3881		.3875		.3112		.2496		.1875		.1155	
CM=		.0378		-.0377		-.0437		-.0525		-.0561		-.0385	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE III-7		CONFIGURATION 140		M = 1.30		Q = 891		$\alpha = 6.02^\circ$		$C_L = 0.4828$		$\beta = 0^\circ$	
STA .044		STA .133		STA .307		STA .458		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	-.274	-.658	-.159	-.021	-.431	.023	-.322	.025	-.308	.022	-.160	.018	-.114
.057	-.018	-.565	-.254	.035	-.549	.068	-.446	.079	-.380	.075	-.341	.077	-.303
.076	-.102	-.452	-.229	.105	-.561	.134	-.444	.133	-.405	.129	-.351	.129	-.334
.080	-.049	-.311	-.294	.178	-.568	.209	-.449	.214	-.415	.201	-.377	.209	-.334
.085	-.123	-.023	-.366	.286	-.571	.294	-.460	.295	-.399	.294	-.372	.293	-.332
.093	-.121	-.133	-.322	.396	-.579	.404	-.474	.407	-.408	.397	-.373	.396	-.344
.113	-.130	.272	-.285	.514	-.565	.497	-.484	.502	-.411	.495	-.376	.494	-.356
.115	-.127	-.416	-.258	.618	-.481	.599	-.492	.601	-.425	.594	-.392	.590	-.367
.137	-.052	-.565	-.235	.733	-.369	.700	-.501	.698	-.444	.693	-.409	.693	-.383
.138	-.017	-.713	-.217	.835	-.362	.782	-.524	.780	-.471	.784	-.448	.777	-.419
.163	.003	.854	-.205	.919	-.233	.864	-.556	.863	-.531	.856	-.490	.861	-.466
.162	.120	.980	-.215	.987	-.147	.926	-.384	.923	-.574	.926	-.461	.918	-.511
.209	-.011	1.074	-.230			.975	-.380	.977	-.475	.977	-.456	.972	-.510
.247	-.090	1.122	-.272										
.276	-.160					LOWER SURFACE							
.324	-.249	-.658	.157	-.022	.401	.024	.333	.025	.240	.019	.254	.020	.259
.361	-.229	.615	.162	.038	.108	.075	.142	.074	.076	.066	.009	.221	-.108
.396	-.205	-.572	.163	.101	.046	.137	.052	.130	.021	.136	-.045	.295	-.105
.438	-.176	-.462	.091	.185	-.003	.213	.002	.214	-.028	.214	-.058	.396	-.167
.487	-.071	-.172	-.009	.289	.005	.297	-.008	.298	-.051	.292	-.067	.497	-.211
.518	-.053	-.030	-.077	.398	-.064	.400	-.087	.397	-.094	.403	-.132	.597	-.309
.556	-.031	.128	-.118	.518	-.132	.498	-.154	.501	-.151	.489	-.153	.702	-.063
.574	-.059	.273	-.115	.620	-.191	.604	-.253	.603	-.261	.594	-.265	.786	-.024
.593	-.108	.418	-.041	.737	.079	.705	.045	.703	-.011	.700	-.236	.864	-.018
.670	-.003	.564	-.052	.831	.181	.785	.046	.784	.020	.786	.028	.912	.011
.747	-.018	.710	-.040	.914	.283	.859	.024	.868	.045	.919	.223	.985	-.066
.766	-.042	.857	.156	.986	.221	.922	.046	.923	.101	.967	.182		
.785	-.125	.976	.248	1.012	-.180	.967	.042	.972	.114				
.804	-.169	1.072	.267			1.000	-.351						
.823	-.184	1.110	.190										
.842	-.194												
.861	-.134												
.900	-.050												
.938	-.120												
CN=		.5337		.5366		.4568		.4064		.3403		.2732	
CM=		.0553		-.0474		-.0641		-.0737		-.0740		-.0558	

TABLE III-8		CONFIGURATION 140		M = 1.30		Q = 891		$\alpha = 8.02^\circ$		$C_L = 0.6544$		$\beta = 0^\circ$	
STA .044 X/C CP		STA .133 X/C CP		STA .307 X/C CP		STA .458 X/C CP		STA .653 X/C CP		STA .804 X/C CP		STA .933 X/C CP	
UPPER SURFACE													
.019	.236	.658	.214	.021	.508	.023	.406	.025	.393	.022	.274	.018	.221
.057	.060	.565	.364	.035	.610	.068	.508	.079	.453	.075	.423	.077	.373
.076	.129	.452	.277	.105	.624	.134	.510	.133	.467	.129	.425	.129	.407
.080	.067	.311	.323	.178	.632	.209	.513	.214	.465	.201	.435	.209	.410
.085	.139	.023	.402	.286	.634	.294	.518	.295	.456	.294	.427	.293	.400
.093	.136	.133	.348	.396	.646	.404	.523	.407	.464	.397	.418	.396	.404
.113	.143	.272	.308	.514	.637	.497	.533	.502	.467	.495	.426	.494	.399
.115	.140	.416	.293	.618	.582	.599	.542	.601	.478	.594	.435	.590	.409
.137	.067	.565	.272	.733	.482	.700	.561	.698	.498	.693	.450	.693	.420
.138	.031	.713	.249	.835	.423	.782	.549	.780	.521	.784	.486	.777	.456
.163	.010	.854	.244	.919	.351	.864	.526	.863	.569	.856	.525	.861	.493
.162	.103	.980	.255	.987	.297	.926	.498	.923	.600	.926	.503	.918	.530
.209	.040	1.074	.263			.975	.444	.977	.487	.977	.500	.972	.529
.247	.118	1.122	.300										
.276	.182					LOWER SURFACE							
.324	.262	.658	.175	.022	.438	.024	.439	.025	.345	.019	.335	.020	.346
.361	.247	.615	.191	.038	.204	.075	.240	.074	.168	.066	.094	.221	.013
.396	.225	.572	.194	.101	.144	.137	.127	.130	.102	.136	.052	.295	.033
.438	.202	.462	.136	.185	.080	.213	.076	.214	.047	.214	.020	.396	.095
.487	.095	.172	.029	.289	.049	.297	.055	.298	.019	.292	.008	.497	.156
.518	.079	.030	.042	.398	.010	.400	.035	.397	.029	.403	.065	.597	.239
.556	.062	.128	.085	.518	.077	.498	.094	.501	.099	.489	.109	.702	.108
.574	.088	.273	.106	.620	.132	.604	.181	.603	.215	.594	.219	.786	.165
.593	.139	.418	.002	.737	.168	.705	.136	.703	.118	.700	.107	.864	.183
.670	.019	.564	.011	.831	.265	.785	.151	.784	.158	.786	.184	.912	.198
.747	.024	.710	.016	.914	.345	.859	.150	.868	.218	.919	.282	.985	.041
.766	.048	.857	.217	.986	.240	.922	.191	.923	.270	.967	.228		
.785	.133	.976	.301	1.012	.276	.967	.143	.972	.202				
.804	.172	1.072	.311			1.000	.368						
.823	.189	1.110	.234										
.842	.196												
.861	.138												
.900	.073												
.938	.150												
CN=		.6798		.6925		.5939		.5524		.4950		.4371	
CM=		.0736		-.0730		-.0857		-.0980		-.0979		-.0851	

~~CONFIDENTIAL~~

TABLE III-9

CONFIGURATION 140

M = 1.30

Q = 891

 $\alpha = 9.99^\circ$ $C_L = 0.8117$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .458 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
UPPER SURFACE						
.019 .209	-.658 -.276	-.021 -.567	.023 -.492	.025 -.470	.022 -.370	.018 -.319
.057 -.080	-.565 -.459	.035 -.664	.068 -.566	.079 -.511	.075 -.489	.077 -.454
.076 -.134	-.452 -.320	.105 -.676	.134 -.562	.133 -.524	.129 -.481	.129 -.475
.080 -.069	-.311 -.360	.178 -.680	.209 -.569	.214 -.524	.201 -.491	.209 -.454
.085 -.143	-.023 -.430	.286 -.687	.294 -.568	.295 -.513	.294 -.481	.293 -.447
.093 -.137	-.133 -.371	.396 -.688	.404 -.575	.407 -.515	.397 -.479	.396 -.449
.113 -.142	.272 -.330	.514 -.649	.497 -.582	.502 -.519	.495 -.476	.494 -.449
.115 -.140	.416 -.316	.618 -.564	.599 -.567	.601 -.524	.594 -.481	.590 -.451
.137 -.061	.565 -.303	.733 -.527	.700 -.544	.698 -.529	.693 -.498	.693 -.463
.138 -.027	.713 -.293	.835 -.516	.782 -.473	.780 -.530	.784 -.532	.777 -.491
.163 -.007	.854 -.293	.919 -.457	.864 -.370	.863 -.516	.856 -.569	.861 -.528
.162 -.098	.980 -.293	.987 -.384	.926 -.385	.923 -.490	.926 -.546	.918 -.553
.209 -.050	1.074 -.288		.975 -.408	.977 -.452	.977 -.543	.972 -.544
.247 -.123	1.122 -.318					
.276 -.185						
.324 -.265	-.658 .196	-.022 .475	.024 .519	.025 .447	.019 .421	.020 .434
.361 -.256	-.615 .216	.038 .272	.075 .324	.074 .261	.066 .195	.066 .195
.396 -.241	-.572 .245	.101 .223	.137 .206	.130 .187	.136 .137	.136 .137
.438 -.212	-.462 .188	.185 .145	.213 .156	.214 .127	.214 .097	.214 .097
.487 -.099	-.172 .065	.289 .101	.297 .114	.298 .075	.292 .060	.292 .060
.518 -.093	-.030 -.011	.398 .050	.400 .034	.397 .033	.403 -.011	.397 .010
.556 -.074	.128 -.050	.518 -.009	.498 -.044	.501 -.055	.489 .077	.489 .077
.574 -.102	.273 -.085	.620 -.075	.604 .007	.603 .074	.594 .048	.594 .048
.593 -.154	.418 .046	.737 .261	.705 .219	.703 .203	.700 .217	.700 .217
.670 -.027	.564 .041	.831 .339	.785 .271	.784 .305	.786 .304	.786 .304
.747 -.017	.710 .070	.914 .389	.859 .296	.868 .353	.919 .369	.919 .369
.766 -.039	.857 .285	.986 .257	.922 .302	.923 .361	.967 .256	.967 .256
.785 -.121	.976 .359	1.012 -.350	.967 .207	.972 .227		
.804 -.162	1.072 .358		1.000 -.455			
.823 -.175	1.110 .265					
.842 -.186						
.861 -.126						
.900 -.072						
.938 -.163						
CN=	.8284	.8080	.6934	.6832	.6611	.6076
CM=	.0917	-.0908	-.0882	-.1102	-.1224	-.1044

TABLE III-10

CONFIGURATION 140

M = 1.30

Q = 891

 $\alpha = 11.97^\circ$ $C_L = 0.9522$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .458 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
UPPER SURFACE						
.019 .167	-.658 -.345	-.021 -.623	.023 -.556	.025 -.536	.022 -.482	.018 -.433
.057 -.101	-.565 -.522	.035 -.705	.068 -.613	.079 -.570	.075 -.558	.077 -.537
.076 -.150	-.452 -.416	.105 -.703	.134 -.619	.133 -.577	.129 -.549	.129 -.539
.080 -.085	-.311 -.406	.178 -.683	.209 -.618	.214 -.578	.201 -.553	.209 -.529
.085 -.160	-.023 -.453	.286 -.676	.294 -.616	.295 -.562	.294 -.535	.293 -.516
.093 -.156	.133 -.382	.396 -.627	.404 -.601	.407 -.546	.397 -.529	.396 -.511
.113 -.149	.272 -.337	.514 -.596	.497 -.578	.502 -.538	.495 -.537	.494 -.509
.115 -.162	.416 -.316	.618 -.588	.599 -.566	.601 -.519	.594 -.536	.590 -.506
.137 -.068	.565 -.303	.733 -.595	.700 -.542	.698 -.486	.693 -.547	.693 -.513
.138 -.038	.713 -.302	.835 -.617	.782 -.501	.780 -.454	.784 -.557	.777 -.532
.163 -.021	.854 -.328	.919 -.545	.864 -.478	.863 -.437	.856 -.543	.861 -.525
.162 -.074	.980 -.330	.987 -.534	.926 -.473	.923 -.432	.926 -.541	.918 -.517
.209 -.071	1.074 -.326		.975 -.460	.977 -.426	.977 -.538	.972 -.517
.247 -.143	1.122 -.348					
.276 -.204						
.324 -.286	-.658 .211	-.022 .516	.024 .590	.025 .527	.019 .562	.020 .561
.361 -.278	-.615 .252	.038 .368	.075 .405	.074 .349	.066 .339	.066 .339
.396 -.269	-.572 .275	.101 .294	.137 .288	.130 .263	.136 .270	.136 .270
.438 -.238	-.462 .232	.185 .211	.213 .227	.214 .204	.214 .221	.214 .221
.487 -.121	-.172 .100	.289 .163	.297 .186	.298 .237	.292 .190	.292 .190
.518 -.123	-.030 .040	.398 .121	.400 .099	.397 .203	.403 .163	.397 .064
.556 -.102	.128 -.008	.518 .042	.498 .013	.501 .126	.489 .117	.489 .117
.574 -.133	.273 -.066	.620 .052	.604 .171	.603 .128	.594 .100	.594 .100
.593 -.181	.418 .088	.737 .328	.705 .251	.703 .240	.700 .244	.700 .244
.670 -.038	.564 .081	.831 .404	.785 .337	.784 .342	.786 .323	.786 .323
.747 -.025	.710 .128	.914 .432	.859 .388	.868 .391	.919 .386	.919 .386
.766 -.047	.857 .346	.986 .272	.922 .376	.923 .392	.967 .263	.967 .263
.785 -.129	.976 .416	1.012 -.532	.967 .244	.972 .240		
.804 -.165	1.072 .396		1.000 -.458			
.823 -.177	1.110 .298					
.842 -.191						
.861 -.137						
.900 -.091						
.938 -.195						
CN=	.9625	.9071	.8067	.7745	.7849	.7100
CM=	.1163	-.1125	-.1050	-.1021	-.1184	-.0998

~~CONFIDENTIAL~~

TABLE III-11

CONFIGURATION 140

M = 1.20

Q = 868

$\alpha = -6.09^\circ$

$C_L = -0.5857$

$\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .458		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.459	.658	.098	.021	.296	.023	.337	.025	.348	.022	.489	.018	.525
.057	.181	.565	.044	.035	.081	.068	.171	.079	.228	.075	.280	.077	.295
.076	.048	.452	-.010	.105	.058	.134	.112	.133	.170	.129	.237	.129	.259
.080	-.018	.311	-.096	.178	.009	.209	.050	.214	.148	.201	.167	.209	.207
.085	.006	.023	.158	.286	-.024	.294	.014	.295	.115	.294	.148	.293	.153
.093	-.093	.133	.121	.396	-.062	.404	.007	.407	.110	.397	.124	.396	.101
.113	-.054	.272	-.081	.514	-.031	.497	.017	.502	.070	.495	.081	.494	.044
.115	-.117	.416	-.053	.618	-.007	.599	.012	.601	.010	.594	.025	.590	-.018
.137	.030	.565	-.012	.733	-.020	.700	-.043	.698	-.043	.693	-.050	.693	-.100
.138	-.004	.713	.036	.835	-.061	.782	-.091	.780	-.129	.784	-.142	.777	-.201
.163	.093	.854	.062	.919	-.115	.864	-.213	.863	-.262	.856	-.250	.861	-.295
.162	.153	.980	.060	.987	-.229	.926	-.308	.923	-.364	.926	-.382	.918	-.403
.209	.135	1.074	.011			.975	-.409	.977	-.488	.977	-.508	.972	-.523
.247	.057	1.122	-.064										
.276	-.031												
LOWER SURFACE													
.324	-.172	.658	-.037	-.022	-.356	.024	-.487	.025	-.523	.019	-.568	.020	-.643
.361	-.152	.615	-.076	.038	-.628	.075	-.551	.074	-.613	.066	-.670	.021	-.652
.396	-.118	.572	-.127	.101	-.634	.137	-.595	.130	-.624	.136	-.651	.295	-.650
.438	-.048	.462	-.182	.185	-.618	.213	-.611	.214	-.605	.214	-.629	.396	-.638
.487	.114	.172	-.196	.289	-.510	.297	-.614	.298	-.604	.292	-.632	.497	-.565
.518	.157	.030	-.259	.398	-.519	.400	-.632	.397	-.584	.403	-.594	.597	-.499
.556	.162	.128	-.305	.518	-.480	.498	-.631	.501	-.494	.489	-.488	.702	-.461
.574	.135	.273	-.098	.620	-.513	.604	-.515	.603	-.416	.594	-.433	.786	-.455
.593	.052	.418	-.289	.737	-.290	.705	-.331	.703	-.399	.700	-.419	.864	-.435
.670	.068	.564	-.304	.831	-.222	.785	-.320	.784	-.404	.786	-.413	.912	-.424
.747	.006	.710	-.310	.914	-.169	.859	-.388	.868	-.391	.919	-.420	.985	-.409
.766	-.031	.857	-.149	.986	-.045	.922	-.317	.923	-.384	.967	-.411		
.785	-.164	.976	-.042	1.012	.000	.967	-.294	.972	-.363				
.804	-.238	1.072	-.023			1.000	-.309						
.823	-.257	1.110	-.019										
.842	-.276												
.861	-.144												
.900	.018												
.938	.007												
CN=		-.3089		-.4296		-.4757		-.5017		-.5412		-.5559	
CM=		-.0213		-.0114		.0016		-.0057		-.0091		-.0070	

TABLE III-12

CONFIGURATION 140

M = 1.20

Q = 868

$\alpha = -3.77^\circ$

$C_L = -0.4094$

$\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .458		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.438	.658	.092	-.021	.216	.023	.213	.025	.227	.022	.371	.018	.444
.057	.159	.565	.037	.035	-.020	.068	.070	.079	.104	.075	.148	.077	.181
.076	.029	.452	-.029	.105	-.036	.134	.000	.133	.052	.129	.105	.129	.159
.080	-.012	.311	-.117	.178	-.075	.209	-.041	.214	.012	.201	.065	.209	.115
.085	-.003	.023	-.193	.286	-.084	.294	-.062	.295	.010	.294	.067	.293	.081
.093	-.103	.133	-.142	.396	-.133	.404	-.085	.407	-.007	.397	.055	.396	.034
.113	-.066	.272	-.103	.514	-.107	.497	-.083	.502	-.021	.495	.026	.494	.000
.115	-.101	.416	-.083	.618	-.088	.599	-.090	.601	-.051	.594	-.030	.590	-.046
.137	.025	.565	-.038	.733	-.084	.700	-.104	.698	-.103	.693	-.083	.693	-.124
.138	.018	.713	.008	.835	-.100	.782	-.150	.780	-.160	.784	-.179	.777	-.223
.163	.102	.854	.027	.919	-.155	.864	-.252	.863	-.286	.856	-.280	.861	-.321
.162	.184	.980	.021	.987	-.128	.926	-.344	.923	-.386	.926	-.404	.918	-.420
.209	.131	1.074	-.025			.975	-.396	.977	-.395	.977	-.432	.972	-.514
.247	.043	1.122	-.062										
.276	-.048												
LOWER SURFACE													
.324	-.180	.658	.041	-.022	-.171	.024	-.322	.025	-.365	.019	-.376	.020	-.429
.361	-.152	.615	-.007	.038	-.474	.075	-.409	.074	-.529	.066	-.567	.021	-.595
.396	-.117	.572	-.050	.101	-.472	.137	-.509	.130	-.532	.136	-.573	.295	-.585
.438	-.056	.462	-.111	.185	-.436	.213	-.528	.214	-.529	.214	-.563	.396	-.598
.487	.097	.172	-.157	.289	-.435	.297	-.520	.298	-.528	.292	-.623	.497	-.586
.518	.127	.030	-.217	.398	-.413	.400	-.534	.397	-.543	.403	-.562	.597	-.538
.556	.138	.128	-.265	.518	-.405	.498	-.569	.501	-.529	.489	-.542	.702	-.451
.574	.113	.273	-.114	.620	-.467	.604	-.590	.603	-.438	.594	-.531	.786	-.402
.593	.032	.418	-.225	.737	-.216	.705	-.339	.703	-.335	.700	-.527	.864	-.352
.670	.078	.564	-.238	.831	-.151	.785	-.270	.784	-.311	.786	-.500	.912	-.329
.747	.008	.710	-.246	.914	-.085	.859	-.374	.868	-.277	.919	-.435	.985	-.301
.766	-.016	.857	-.085	.986	.046	.922	-.228	.923	-.320	.967	-.376		
.785	-.139	.976	.020	1.012	-.053	.967	-.153	.972	-.287				
.804	-.202	1.072	.073			1.000	-.085						
.823	-.224	1.110	.031										
.842	-.251												
.861	-.116												
.900	.023												
.938	.005												
CN=		1.001		-.2588		-.3355		-.3671		-.4858		-.4538	
CM=		.0088		-.0153		-.0040		-.0098		.0107		-.0095	

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE III-13 CONFIGURATION 140 M = 1.20 Q = 868 $\alpha = -1.02^\circ$ $C_L = -0.2365$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .458	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
UPPER SURFACE						
.019 .378	-.658 .052	-.021 .069	.023 .060	.025 .060	.022 .223	.018 .298
.057 .096	-.565 -.021	.035 -.170	.068 -.105	.079 -.050	.075 .006	.077 .034
.076 -.013	-.452 -.074	.105 -.174	.134 -.131	.133 -.093	.129 -.033	.129 -.011
.080 -.046	-.311 -.166	.178 -.190	.209 -.157	.214 -.113	.201 -.059	.209 -.021
.085 -.056	-.023 -.236	.286 -.189	.294 -.174	.295 -.104	.294 -.075	.293 -.035
.093 -.123	.133 -.205	.396 -.233	.404 -.182	.407 -.117	.397 -.080	.396 -.064
.113 -.101	.272 -.157	.514 -.199	.497 -.192	.502 -.133	.495 -.085	.494 -.091
.115 -.117	.416 -.143	.618 -.177	.599 -.192	.601 -.164	.594 -.139	.590 -.131
.137 -.018	.565 -.106	.733 -.160	.700 -.220	.698 -.212	.693 -.182	.693 -.192
.138 -.007	.713 -.058	.835 -.184	.782 -.255	.780 -.264	.784 -.260	.777 -.286
.163 .061	.854 -.048	.919 -.227	.864 -.338	.863 -.371	.856 -.348	.861 -.373
.167 .158	.980 -.048	.987 -.100	.926 -.349	.923 -.453	.926 -.470	.918 -.470
.209 .087	1.074 -.081		.975 -.086	.977 -.195	.977 -.406	.972 -.569
.247 -.005	1.122 -.099					
.276 -.088			LOWER SURFACE			
.324 -.211	-.658 .052	-.022 -.045	.024 -.176	.025 -.262	.019 -.261	.020 -.279
.361 -.187	-.615 .019	.038 -.324	.075 -.316	.074 -.416	.066 -.476	.221 -.541
.396 -.160	-.572 -.025	.101 -.338	.137 -.421	.130 -.449	.136 -.512	.295 -.531
.438 -.100	-.462 -.083	.185 -.365	.213 -.451	.214 -.460	.214 -.511	.396 -.554
.487 .039	-.172 -.141	.289 -.376	.297 -.455	.298 -.464	.292 -.508	.497 -.573
.518 .063	-.030 -.206	.398 -.326	.400 -.478	.397 -.499	.403 -.512	.597 -.578
.556 .072	.128 -.253	.518 -.381	.498 -.492	.501 -.515	.489 -.495	.702 -.571
.574 .049	.273 -.140	.620 -.429	.604 -.527	.603 -.499	.594 -.480	.786 -.483
.593 -.017	.418 -.217	.737 -.168	.705 -.262	.703 -.288	.700 -.480	.864 -.333
.670 .041	.564 -.228	.831 -.097	.785 -.225	.784 -.272	.786 -.477	.912 -.209
.747 -.013	.710 -.224	.914 -.017	.859 -.204	.868 -.152	.919 -.392	.985 -.260
.766 -.047	.857 -.052	.986 .076	.922 -.160	.923 -.130	.967 -.314	
.785 -.158	.976 .047	1.012 -.001	.967 -.098	.972 -.133		
.804 -.219	1.072 .089		1.000 -.086			
.823 -.232	1.110 .038					
.847 -.250						
.861 -.126						
.900 -.011						
.938 -.042						
CN=	-.0259	-.0875	-.1685	-.2021	-.3204	-.3380
CM=	.0005	-.0201	-.0116	-.0246	.0005	-.0074

TABLE III-14 CONFIGURATION 140 M = 1.20 Q = 868 $\alpha = 0.07^\circ$ $C_L = -0.0484$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .458	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
UPPER SURFACE						
.019 .339	-.658 .015	-.021 -.090	.023 -.073	.025 -.077	.022 .077	.018 .164
.057 .052	-.565 -.058	.035 -.319	.068 -.246	.079 -.204	.075 -.153	.077 -.087
.076 -.048	-.452 -.111	.105 -.308	.134 -.258	.133 -.221	.129 -.150	.129 -.133
.080 -.056	-.311 -.199	.178 -.296	.209 -.290	.214 -.225	.201 -.198	.209 -.159
.085 -.083	-.023 -.269	.286 -.292	.294 -.293	.295 -.225	.294 -.185	.293 -.150
.093 -.134	.133 -.231	.396 -.294	.404 -.293	.407 -.236	.397 -.205	.396 -.170
.113 -.124	.272 -.197	.514 -.275	.497 -.282	.502 -.249	.495 -.195	.494 -.191
.115 -.124	.416 -.172	.618 -.252	.599 -.263	.601 -.256	.594 -.211	.590 -.210
.137 -.029	.565 -.138	.733 -.236	.700 -.299	.698 -.288	.693 -.260	.693 -.249
.138 -.004	.713 -.097	.835 -.245	.782 -.327	.780 -.331	.784 -.334	.777 -.333
.163 .048	.854 -.089	.919 -.274	.864 -.415	.863 -.432	.856 -.410	.861 -.414
.162 .157	.980 -.091	.987 -.083	.926 -.161	.923 -.236	.926 -.517	.918 -.503
.209 .067	1.074 -.122		.975 -.111	.977 -.171	.977 -.283	.972 -.534
.247 -.032	1.122 -.129					
.276 -.121			LOWER SURFACE			
.324 -.238	-.658 .085	-.022 -.094	.024 -.016	.025 -.148	.019 -.147	.020 -.109
.361 -.207	-.615 .067	.038 -.202	.075 -.210	.074 -.287	.066 -.394	.221 -.478
.396 -.178	-.572 .026	.101 -.236	.137 -.330	.130 -.369	.136 -.432	.295 -.468
.438 -.131	-.462 -.047	.185 -.279	.213 -.331	.214 -.379	.214 -.420	.396 -.496
.487 .000	-.172 -.119	.289 -.242	.297 -.326	.298 -.395	.292 -.411	.497 -.518
.518 .031	-.030 -.175	.398 -.260	.400 -.363	.397 -.419	.403 -.435	.597 -.577
.556 .027	.128 -.228	.518 -.331	.498 -.360	.501 -.444	.489 -.469	.702 -.597
.574 .003	.273 -.125	.620 -.377	.604 -.459	.603 -.506	.594 -.495	.786 -.350
.593 -.056	.418 -.177	.737 -.100	.705 -.171	.703 -.479	.700 -.477	.864 -.234
.670 .024	.564 -.188	.831 -.029	.785 -.164	.784 -.203	.786 -.429	.912 -.158
.747 -.017	.710 -.178	.914 -.073	.859 -.174	.868 -.136	.919 -.181	.985 -.206
.766 -.048	.857 .009	.986 .118	.922 -.158	.923 -.041	.967 -.215	
.785 -.163	.976 .102	1.012 -.022	.967 -.104	.972 .003		
.804 -.220	1.072 .130		1.000 -.100			
.823 -.229	1.110 .063					
.842 -.238						
.861 -.122						
.900 -.032						
.938 -.073						
CN=	.1076	.0854	.0019	-.0774	-.1595	-.1938
CM=	.0093	-.0261	-.0124	-.0178	-.0113	-.0140

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE III-15

CONFIGURATION 140

M = 1.20

Q = 868

$\alpha = 2.02^\circ$

$C_L = 0.1601$

$\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .458		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.299	-.658	-.028	-.021	-.297	.023	-.208	.025	-.218	.022	-.041	.018	-.014
.057	.026	-.565	.111	.035	-.441	.068	-.377	.079	-.304	.075	-.270	.077	-.214
.076	-.064	-.452	-.133	.105	-.480	.134	-.394	.133	-.331	.129	-.271	.129	-.250
.080	-.059	-.311	-.249	.178	-.448	.209	-.399	.214	-.354	.201	-.302	.209	-.253
.085	-.093	-.023	-.307	.286	-.379	.294	-.409	.295	-.341	.294	-.300	.293	-.255
.093	-.131	-.133	-.276	.396	-.384	.404	-.425	.407	-.355	.397	-.315	.396	-.276
.113	-.135	-.272	-.235	.514	-.342	.497	-.437	.502	-.373	.495	-.318	.494	-.290
.115	-.127	.416	-.199	.618	-.319	.599	-.418	.601	-.366	.594	-.326	.590	-.315
.137	-.031	.565	-.169	.733	-.305	.700	-.381	.698	-.391	.693	-.350	.693	-.345
.138	.002	.713	-.140	.835	-.299	.782	-.393	.780	-.437	.784	-.414	.777	-.402
.163	.042	.854	-.130	.919	-.310	.864	-.466	.863	-.480	.856	-.486	.861	-.471
.162	.162	.980	-.141	.987	-.097	.926	-.198	.923	-.225	.926	-.447	.918	-.549
.209	.049	1.074	-.169			.975	-.165	.977	-.224	.977	-.297	.972	-.546
.247	-.055	1.122	-.163										
.276	-.132												
LOWER SURFACE													
.324	-.246	-.658	.117	-.022	-.243	.024	.135	.025	-.007	.019	-.027	.020	-.015
.361	-.219	-.615	.101	.038	-.086	.075	-.106	.074	-.204	.066	-.286	.221	-.390
.396	-.194	-.572	.078	.101	-.121	.137	-.194	.130	-.238	.136	-.327	.295	-.378
.438	-.151	-.462	-.009	.185	-.165	.213	-.210	.214	-.268	.214	-.314	.396	-.407
.487	-.028	-.172	-.083	.289	-.132	.297	-.202	.298	-.262	.292	-.310	.497	-.438
.518	-.005	-.030	-.146	.398	-.203	.400	-.260	.397	-.294	.403	-.330	.597	-.508
.556	-.002	.128	-.196	.518	-.267	.498	-.305	.501	-.334	.489	-.362	.702	-.501
.574	-.028	.273	-.113	.620	-.326	.604	-.407	.603	-.436	.594	-.443	.786	-.211
.593	-.088	.418	-.133	.737	-.026	.705	-.097	.703	-.215	.700	-.472	.864	-.131
.670	.017	.564	-.147	.831	-.064	.785	-.104	.784	-.166	.786	-.195	.912	-.098
.747	-.025	.710	-.122	.914	.165	.859	-.130	.868	-.094	.919	.027	.985	-.154
.766	-.049	.857	.087	.986	-.142	.922	-.109	.923	-.001	.967	.077		
.785	-.159	.976	.157	1.012	-.064	.967	-.068	.972	.055				
.804	-.205	1.072	.175			1.000	-.142						
.823	-.216	1.110	.098										
.842	-.226												
.861	-.123												
.900	-.041												
.938	-.093												
CN=		.2588		.2685		.1947		.1305		.0560		-.0112	
CH=		.0222		-.0308		-.0244		-.0365		-.0444		-.0335	

TABLE III-16

CONFIGURATION 140

M = 1.20

Q = 868

$\alpha = 4.05^\circ$

$C_L = 0.3641$

$\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .458		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.251	-.658	-.091	-.021	-.428	.023	-.334	.025	-.323	.022	-.152	.018	-.094
.057	.007	-.565	-.165	.035	-.578	.068	-.472	.079	-.411	.075	-.359	.077	-.318
.076	-.092	-.452	-.202	.105	-.572	.134	-.489	.133	-.437	.129	-.369	.129	-.351
.080	-.067	-.311	-.287	.178	-.584	.209	-.500	.214	-.450	.201	-.399	.209	-.352
.085	-.119	-.023	-.346	.286	-.537	.294	-.504	.295	-.438	.294	-.390	.293	-.349
.093	-.136	.133	-.310	.396	-.456	.404	-.509	.407	-.444	.397	-.394	.396	-.360
.113	-.144	.272	-.266	.514	-.404	.497	-.511	.502	-.452	.495	-.399	.494	-.369
.115	-.137	.416	-.235	.618	-.368	.599	-.505	.601	-.464	.594	-.412	.590	-.384
.137	-.044	.565	-.204	.733	-.351	.700	-.516	.698	-.479	.693	-.433	.693	-.406
.138	.005	.713	-.182	.835	-.346	.782	-.538	.780	-.511	.784	-.488	.777	-.459
.163	.025	.854	-.174	.919	-.285	.864	-.602	.863	-.557	.856	-.546	.861	-.517
.162	.148	.980	-.186	.987	-.121	.926	-.309	.923	-.326	.926	-.622	.918	-.590
.209	.018	1.074	-.213			.975	-.296	.977	-.314	.977	-.395	.972	-.558
.247	-.082	1.122	-.215										
.276	-.153												
LOWER SURFACE													
.324	-.263	-.658	.137	-.022	.329	.024	.249	.025	.111	.019	.109	.020	.116
.361	-.242	-.615	.131	.038	.029	.075	.023	.074	-.072	.066	-.180	.221	-.274
.396	-.211	-.572	.119	.101	-.006	.137	-.073	.130	-.129	.136	-.204	.295	-.261
.438	-.174	-.462	.044	.185	-.065	.213	-.102	.214	-.162	.214	-.201	.396	-.305
.487	-.058	-.172	-.050	.289	-.077	.297	-.104	.298	-.166	.292	-.202	.497	-.347
.518	-.038	-.030	-.120	.398	-.145	.400	-.189	.397	-.221	.403	-.251	.597	-.440
.556	-.032	.128	-.159	.518	-.204	.498	-.249	.501	-.262	.489	-.291	.702	-.135
.574	-.058	.273	-.108	.620	-.261	.604	-.321	.603	-.377	.594	-.379	.786	-.109
.593	-.117	.418	-.089	.737	.077	.705	.001	.703	-.063	.700	-.163	.864	-.117
.670	.007	.564	-.107	.831	.155	.785	-.008	.784	-.033	.786	.001	.912	-.105
.747	-.031	.710	-.071	.914	.233	.859	-.023	.868	.010	.919	.187	.985	-.175
.766	-.055	.857	.142	.986	.149	.922	.027	.923	.091	.967	.150		
.785	-.158	.976	.217	1.012	-.103	.967	.023	.972	.082				
.804	-.198	1.072	.215			1.000	-.244						
.823	-.213	1.110	.128										
.842	-.220												
.861	-.128												
.900	-.060												
.938	-.125												
CN=		.4091		.4290		.3978		.3192		.2781		.1709	
CH=		.0372		-.0347		-.0574		-.0612		-.0844		-.0508	

~~CONFIDENTIAL~~

TABLE III-17 CONFIGURATION 140 M = 1.20 Q = 888 $\alpha = 6.00^\circ$ $C_L = 0.5595$ $\beta = 0^\circ$

STA .044'	STA .133	STA .307	STA .458	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
UPPER SURFACE						
.019 -.221	-.658 -.148	-.021 -.542	.023 -.451	.025 -.422	.022 -.275	.018 -.209
.057 -.017	-.565 -.229	.035 -.655	.068 -.561	.079 -.501	.075 -.440	.077 -.399
.076 -.109	-.452 -.245	.105 -.669	.134 -.556	.133 -.515	.129 -.460	.129 -.426
.080 -.067	-.311 -.319	.178 -.688	.209 -.557	.214 -.516	.201 -.472	.209 -.433
.085 -.133	-.023 -.383	.286 -.665	.294 -.566	.295 -.505	.294 -.475	.293 -.420
.093 -.144	.133 -.343	.396 -.644	.404 -.567	.407 -.505	.397 -.470	.396 -.437
.113 -.151	.272 -.295	.514 -.501	.497 -.579	.502 -.512	.495 -.476	.494 -.437
.115 -.139	.416 -.272	.618 -.414	.599 -.585	.601 -.522	.594 -.480	.590 -.452
.137 -.053	.565 -.240	.733 -.381	.700 -.587	.698 -.539	.693 -.503	.693 -.469
.138 .002	.713 -.212	.835 -.377	.782 -.616	.780 -.569	.784 -.547	.777 -.509
.163 .028	.854 -.218	.919 -.246	.864 -.633	.863 -.628	.856 -.594	.861 -.565
.162 .139	.980 -.229	.987 -.140	.926 -.375	.923 -.582	.926 -.659	.918 -.620
.209 -.005	1.074 -.250		.975 -.382	.977 -.453	.977 -.628	.972 -.627
.247 -.100	1.122 -.276					
.276 -.166			LOWER SURFACE			
.324 -.270	-.658 .158	-.022 .387	.024 .353	.025 .204	.019 .215	.020 .209
.361 -.252	-.615 .165	.038 .143	.075 .124	.074 .042	.066 .061	.221 .160
.396 -.228	-.572 .153	.101 .091	.137 .034	.130 .027	.136 .084	.295 .167
.438 -.187	-.462 .091	.185 .012	.213 .027	.214 .074	.214 .112	.396 .246
.487 -.081	-.172 .021	.289 .020	.297 .039	.298 .104	.292 .124	.497 .289
.518 -.057	-.030 .093	.398 .079	.400 .120	.397 .136	.403 .183	.597 .278
.556 -.058	.128 .121	.518 .149	.498 .201	.501 .217	.489 .224	.702 .060
.574 -.088	.273 .098	.620 .184	.604 .203	.603 .269	.594 .324	.786 .061
.593 -.141	.418 .049	.737 .157	.705 .090	.703 .056	.700 .077	.864 .134
.670 .000	.564 .064	.831 .231	.785 .134	.784 .136	.786 .167	.912 .159
.747 -.024	.710 .013	.914 .283	.859 .154	.868 .186	.919 .260	.985 .028
.766 -.050	.857 .195	.986 .161	.922 .184	.923 .225	.967 .147	
.785 -.154	.976 .270	1.012 .144	.967 .115	.972 .127		
.804 -.196	1.072 .255		1.000 .381			
.823 -.206	1.110 .166					
.842 -.218						
.861 -.135						
.900 .073						
.938 -.150						
CN=	.5528	.5812	.5660	.5025	.4605	.3752
CM=	.0500	-.0394	-.0865	-.0974	-.1119	-.0914

TABLE III-18 CONFIGURATION 140 M = 1.20 Q = 888 $\alpha = 8.03^\circ$ $C_L = 0.7498$ $\beta = 0^\circ$

STA .044'	STA .133	STA .307	STA .458	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
UPPER SURFACE						
.019 .184	-.658 -.224	-.021 -.626	.023 -.551	.025 -.513	.022 -.395	.018 -.345
.057 -.039	-.565 -.314	.035 -.728	.068 -.634	.079 -.577	.075 -.522	.077 -.499
.076 -.124	-.452 -.296	.105 -.744	.134 -.625	.133 -.585	.129 -.539	.129 -.517
.080 -.076	-.311 -.360	.178 -.748	.209 -.633	.214 -.576	.201 -.547	.209 -.513
.085 -.147	-.023 -.417	.286 -.744	.294 -.627	.295 -.569	.294 -.537	.293 -.503
.093 -.153	.133 -.370	.396 -.743	.404 -.634	.407 -.566	.397 -.529	.396 -.502
.113 -.161	.272 -.327	.514 -.681	.497 -.635	.502 -.580	.495 -.528	.494 -.501
.115 -.154	.416 -.304	.618 -.575	.599 -.645	.601 -.583	.594 -.530	.590 -.503
.137 -.051	.565 -.279	.733 -.433	.700 -.654	.698 -.601	.693 -.549	.693 -.516
.138 .005	.713 -.267	.835 -.438	.782 -.674	.780 -.622	.784 -.592	.777 -.548
.163 .018	.854 -.251	.919 -.337	.864 -.473	.863 -.657	.856 -.638	.861 -.592
.162 .129	.980 .260	.987 .233	.926 .440	.923 .625	.926 .655	.918 .644
.209 -.024	1.074 .278		.975 .421	.977 .523	.977 .641	.972 .681
.247 -.115	1.122 .320					
.276 -.186			LOWER SURFACE			
.324 .287	-.658 .173	-.022 .447	.024 .440	.025 .336	.019 .320	.020 .358
.361 .268	-.615 .196	.038 .256	.075 .244	.074 .152	.066 .063	.221 .025
.396 .239	-.572 .199	.101 .177	.137 .122	.130 .075	.136 .059	.295 .051
.438 .211	-.462 .133	.185 .084	.213 .057	.214 .006	.214 .041	.396 .093
.487 .104	-.172 .011	.289 .039	.297 .032	.298 .020	.292 .037	.497 .147
.518 .084	-.030 .048	.398 .013	.400 .061	.397 .055	.403 .052	.597 .097
.556 .077	.128 .082	.518 .083	.498 .138	.501 .012	.489 .081	.702 .111
.574 .108	.273 .081	.620 .035	.604 .028	.603 .044	.594 .082	.786 .172
.593 .168	.418 .006	.737 .224	.705 .147	.703 .133	.700 .133	.864 .212
.670 .011	.564 .008	.831 .294	.785 .232	.784 .244	.786 .233	.912 .216
.747 .035	.710 .058	.914 .323	.859 .276	.868 .302	.919 .305	.985 .045
.766 .060	.857 .259	.986 .168	.922 .286	.923 .306	.967 .182	
.785 .158	.976 .320	1.012 .194	.967 .150	.972 .157		
.804 .194	1.072 .295		1.000 .413			
.823 .201	1.110 .195					
.842 .214						
.861 .141						
.900 .091						
.938 .182						
CN=	.7091	.7603	.7104	.6795	.6357	.5548
CM=	.0689	-.0614	-.1011	-.1208	-.1227	-.1037

~~CONFIDENTIAL~~

TABLE III-19

CONFIGURATION 140

M = 1.20

Q = 868

$\alpha = 9.95^\circ$

$C_L = 0.9019$

$\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .458 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
UPPER SURFACE						
.019 .140	-.658 -.312	-.021 -.695	.023 -.624	.025 -.605	.022 -.517	.018 -.475
.057 -.058	-.565 -.465	.035 -.792	.068 -.706	.079 -.644	.075 -.626	.077 -.597
.076 -.140	-.452 -.352	.105 -.803	.134 -.690	.133 -.647	.129 -.616	.129 -.609
.080 -.087	-.311 -.400	.178 -.807	.209 -.687	.214 -.650	.201 -.623	.209 -.585
.085 -.160	-.023 -.450	.286 -.807	.294 -.680	.295 -.633	.294 -.607	.293 -.572
.093 -.162	.133 -.395	.396 -.776	.404 -.689	.407 -.627	.397 -.601	.396 -.563
.113 -.160	.272 -.357	.514 -.680	.497 -.684	.502 -.632	.495 -.598	.494 -.569
.115 -.160	.416 -.339	.618 -.616	.599 -.653	.601 -.633	.594 -.598	.590 -.568
.137 -.050	-.565 -.320	.733 -.588	.700 -.571	.698 -.624	.693 -.614	.693 -.577
.138 .003	.713 -.305	.835 -.570	.782 -.454	.780 -.598	.784 -.647	.777 -.606
.163 .013	.854 -.299	.919 -.531	.864 -.399	.863 -.569	.856 -.674	.861 -.643
.162 .109	.980 -.296	.987 -.396	.926 -.393	.923 -.521	.926 -.656	.918 -.665
.209 -.047	1.074 -.297		.975 -.420	.977 -.493	.977 -.650	.972 -.653
.247 -.129	1.122 -.342					
.276 -.202			LOWER SURFACE			
.324 -.299	-.658 .192	-.022 .490	.024 .522	.025 .480	.019 .469	.020 .467
.361 -.280	-.615 .215	.038 .320	.075 .320	.074 .291	.066 .236	.221 .072
.396 -.261	-.572 .225	.101 .242	.137 .193	.130 .218	.136 .165	.295 .052
.438 -.234	-.462 .184	.185 .154	.213 .151	.214 .164	.214 .117	.396 .031
.487 -.124	-.172 .045	.289 .117	.297 .092	.298 .133	.292 .080	.497 -.051
.518 -.112	-.030 -.009	.398 .056	.400 .083	.397 .077	.403 .066	.597 -.055
.556 -.105	.128 -.026	.518 .012	.498 .075	.501 .017	.489 .022	.702 .114
.574 -.131	.273 -.061	.620 .108	.604 .065	.603 .031	.594 .010	.786 .182
.593 -.191	.418 .038	.737 .280	.705 .165	.703 .159	.700 .155	.864 .220
.670 -.020	.564 .030	.831 .349	.785 .268	.784 .267	.786 .249	.912 .218
.747 -.026	.710 .152	.914 .368	.859 .321	.868 .324	.919 .319	.985 -.058
.766 -.052	.857 .328	.986 .187	.922 .317	.923 .325	.967 .189	
.785 -.150	.976 .376	1.012 -.353	.967 .170	.972 .163		
.804 -.190	1.072 .337		1.000 -.456			
.823 -.204	1.110 .225					
.842 -.211						
.861 -.143						
.900 -.105						
.938 -.205						
CN=	.8776	-.9206	.7860	.7895	.7707	.6803
CM=	.0941	-.0937	-.0885	-.1079	-.1245	-.1041

TABLE III-20

CONFIGURATION 140

M = 1.20

Q = 868

$\alpha = 12.01^\circ$

$C_L = 1.0371$

$\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .458 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
UPPER SURFACE						
.019 .112	-.658 -.374	-.021 -.749	.023 -.700	.025 -.691	.022 -.634	.018 -.583
.057 -.076	-.565 -.575	.035 -.839	.068 -.761	.079 -.724	.075 -.706	.077 -.680
.076 -.158	-.452 -.428	.105 -.803	.134 -.755	.133 -.724	.129 -.692	.129 -.687
.080 -.095	-.311 -.443	.178 -.794	.209 -.747	.214 -.697	.201 -.688	.209 -.670
.085 -.173	-.023 -.490	.286 -.775	.294 -.712	.295 -.679	.294 -.666	.293 -.652
.093 -.176	.133 -.412	.396 -.728	.404 -.695	.407 -.667	.397 -.647	.396 -.644
.113 -.165	.272 -.374	.514 -.709	.497 -.683	.502 -.624	.495 -.638	.494 -.627
.115 -.176	.416 -.349	.618 -.699	.599 -.635	.601 -.550	.594 -.603	.590 -.604
.137 -.048	.565 -.341	.733 -.721	.700 -.569	.698 -.483	.693 -.553	.693 -.597
.138 .004	.713 -.344	.835 -.734	.782 -.534	.780 -.463	.784 -.524	.777 -.593
.163 .011	.854 -.360	.919 -.664	.864 -.524	.863 -.450	.856 -.506	.861 -.570
.162 .091	.980 -.348	.987 -.619	.926 -.516	.923 -.451	.926 -.501	.918 -.551
.209 -.067	1.074 -.343		.975 -.495	.977 -.444	.977 -.486	.972 -.542
.247 -.150	1.122 -.374					
.276 -.220			LOWER SURFACE			
.324 -.304	-.658 .205	-.022 .514	.024 .608	.025 .569	.019 .561	.020 .549
.361 -.296	-.615 .246	.038 .391	.075 .439	.074 .401	.066 .340	.221 .176
.396 -.279	-.572 .271	.101 .307	.137 .318	.130 .313	.136 .275	.295 .139
.438 -.254	-.462 .216	.185 .240	.213 .264	.214 .244	.214 .226	.396 .095
.487 -.136	-.172 .086	.289 .184	.297 .240	.298 .203	.292 .190	.497 -.004
.518 -.132	-.030 .031	.398 .222	.400 .183	.397 .145	.403 .127	.597 -.010
.556 -.118	.128 -.025	.518 .147	.498 .135	.501 .084	.489 .108	.702 .132
.574 -.152	.273 -.037	.620 .195	.604 .124	.603 .095	.594 .064	.786 .190
.593 -.207	.418 .081	.737 .326	.705 .205	.703 .191	.700 .192	.864 .231
.670 -.019	.564 .091	.831 .391	.785 .300	.784 .295	.786 .272	.912 .225
.747 -.029	.710 .251	.914 .399	.859 .357	.868 .355	.919 .338	.985 -.061
.766 -.059	.857 .387	.986 .208	.922 .344	.923 .343	.967 .199	
.785 -.150	.976 .428	1.012 -.592	.967 .186	.972 .174		
.804 -.184	1.072 .371		1.000 -.495			
.823 -.197	1.110 .257					
.842 -.212						
.861 -.145						
.900 .117						
.938 -.227						
CN=	1.0417	1.0622	.9048	.8271	.8262	.7622
CM=	.1134	-.1291	-.0988	-.0854	-.0975	-.0895

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE III-21 CONFIGURATION 140 M = 1.02 Q = 785 $\alpha = -6.40^\circ$ $C_L = -0.6554$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .458 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
UPPER SURFACE						
.019 .363	-.658 .062	-.021 .360	.023 .424	.025 .393	.022 .501	.018 .510
.057 .104	-.565 .007	.035 .211	.068 .257	.079 .286	.075 .295	.077 .281
.076 -.062	-.452 -.075	.105 .170	.134 .177	.133 .211	.129 .230	.129 .210
.080 -.130	-.311 -.174	.178 .115	.209 .132	.214 .148	.201 .166	.209 .132
.085 -.076	-.023 -.203	.286 .081	.294 .100	.295 .106	.294 .125	.293 .068
.093 -.233	.133 -.122	.396 .032	.404 .040	.407 .050	.397 .074	.396 .002
.113 -.158	.272 .010	.514 .053	.497 .012	.502 .007	.495 .009	.494 .070
.115 -.182	.416 .070	.618 .019	.599 -.041	.601 -.048	.594 -.054	.590 -.153
.137 .225	.565 .106	.733 -.054	.700 -.128	.698 -.124	.693 -.149	.693 .257
.138 .215	.713 .096	.835 -.119	.782 -.208	.780 -.212	.784 -.275	.777 .371
.163 .222	.854 .070	.919 -.198	.864 -.218	.863 -.378	.856 -.407	.861 .482
.162 .278	.980 .028	.987 -.031	.926 -.265	.923 -.489	.926 -.573	.918 .615
.209 .111	1.074 -.034		.975 -.160	.977 -.645	.977 -.634	.972 .494
.247 .002	1.122 -.061					
LOWER SURFACE						
.276 -.094	-.658 -.079	-.022 -.594	.024 -.885	.025 -.934	.019 -.448	.020 -.376
.324 -.242	-.615 -.151	.038 -.880	.075 -.903	.074 -.801	.066 -.456	.221 .361
.361 -.195	-.572 -.158	.101 -.858	.137 -.957	.130 -.844	.136 -.477	.295 .365
.396 -.108	-.462 -.235	.185 -.846	.213 -.949	.214 -.760	.214 -.454	.396 .360
.438 .090	-.172 -.293	.289 -.646	.297 -.898	.298 .687	.292 .441	.497 .350
.487 .190	-.030 -.370	.398 -.579	.400 -.899	.397 .621	.403 .469	.597 .344
.518 .177	.128 -.418	.518 -.639	.498 -.734	.501 -.591	.489 .445	.702 .343
.556 .125	.273 .126	.620 -.664	.604 -.598	.603 -.584	.594 .478	.786 .343
.574 .072	.418 -.372	.737 -.293	.705 -.660	.703 -.567	.700 .479	.864 .336
.593 .062	.564 .381	.831 -.240	.785 -.671	.784 .541	.786 .476	.912 .340
.670 .035	.710 .350	.914 -.151	.859 -.635	.868 .534	.919 .476	.985 .336
.747 .065	.857 .160	.986 .037	.922 -.501	.923 .515	.967 .468	
.766 .100	.976 .061	1.012 .069	.967 .331	.972 .517		
.785 .264	1.072 .004		1.000 .106			
.804 .320	1.110 .045					
.823 .301						
.842 .324						
.861 .088						
.900 .044						
.938 .096						
CN=	-.4404	-.6046	-.7486	-.6014	-.4179	-.2506
CM=	-.0183	-.0297	.0180	-.0139	-.0158	-.0436

TABLE III-22 CONFIGURATION 140 M = 1.02 Q = 785 $\alpha = -3.95^\circ$ $C_L = -0.4714$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .458 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
UPPER SURFACE						
.019 .329	-.658 .044	-.021 .170	.023 .217	.025 .257	.022 .373	.018 .434
.057 .045	-.565 .046	.035 .036	.068 .064	.079 .124	.075 .159	.077 .157
.076 -.106	-.452 .116	.105 .026	.134 .016	.133 .065	.129 .088	.129 .110
.080 -.138	-.311 .215	.178 .047	.209 .012	.214 .019	.201 .037	.209 .045
.085 -.118	-.023 .258	.286 .048	.294 .017	.295 .009	.294 .017	.293 .003
.093 -.229	.133 .189	.396 .106	.404 .038	.407 .041	.397 .012	.396 .064
.113 .164	.272 .144	.514 .064	.497 .077	.502 .085	.495 .052	.494 .120
.115 .062	.416 .051	.618 .030	.599 .112	.601 .161	.594 .119	.590 .198
.137 .208	.565 .040	.733 .108	.700 .185	.698 .229	.693 .205	.693 .292
.138 .217	.713 .029	.835 .182	.782 .259	.780 .205	.784 .318	.777 .403
.163 .194	.854 .014	.919 .237	.864 .289	.863 .375	.856 .446	.861 .507
.162 .268	.980 .014	.987 .019	.926 .182	.923 .491	.926 .610	.918 .643
.209 .078	1.074 .063		.975 .171	.977 .295	.977 .502	.972 .481
.247 .035	1.122 .062					
.276 .133						
LOWER SURFACE						
.324 .273	-.658 .017	-.022 .369	.024 .659	.025 .796	.019 .823	.020 .717
.361 .229	-.615 .050	.038 .693	.075 .739	.074 .873	.066 .904	.221 .605
.396 .164	-.572 .081	.101 .593	.137 .797	.130 .890	.136 .888	.295 .552
.438 .046	-.462 .164	.185 .571	.213 .798	.214 .825	.214 .881	.396 .551
.487 .117	-.172 .258	.289 .465	.297 .766	.298 .821	.292 .782	.497 .492
.518 .116	-.030 .330	.398 .525	.400 .743	.397 .797	.403 .592	.597 .486
.556 .076	.128 .383	.518 .572	.498 .733	.501 .487	.489 .513	.702 .466
.574 .035	.273 .137	.620 .616	.604 .316	.603 .367	.594 .465	.786 .448
.593 .002	.418 .325	.737 .229	.705 .283	.703 .295	.700 .487	.864 .416
.670 .024	.564 .351	.831 .168	.785 .197	.784 .278	.786 .466	.912 .426
.747 .077	.710 .312	.914 .037	.859 .198	.868 .332	.919 .421	.985 .402
.766 .109	.857 .105	.986 .112	.922 .164	.923 .295	.967 .401	
.785 .256	.976 .001	1.012 .069	.967 .120	.972 .267		
.804 .309	1.072 .027		1.000 .135			
.823 .299	1.110 .013					
.842 .310						
.861 .100						
.900 .059						
.938 .117						
CN=	-.7411	-.3573	-.4303	-.4523	-.4920	-.3633
CM=	.0070	-.0241	-.0370	-.0491	-.0422	-.0357

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE III-23				CONFIGURATION 140		M = 1.02		Q = 785		$\alpha = -1.92^\circ$		$C_L = -0.2742$		$\beta = 0^\circ$	
STA .044		STA .133		STA .307		STA .458		STA .653		STA .804		STA .933			
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP		
UPPER SURFACE															
.019	.299	.658	.020	.021	.026	.023	-.004	.025	.081	.022	.220	.018	.311		
.057	.019	.565	-.078	.035	-.189	.068	-.152	.079	-.050	.075	.034	.077	.014		
.076	-.121	-.452	-.151	.105	-.199	.134	-.171	.133	-.078	.129	-.037	.129	-.017		
.080	-.127	-.311	-.250	.178	-.213	.209	-.165	.214	-.095	.201	-.070	.209	-.065		
.085	-.130	-.023	-.295	.286	-.192	.294	-.143	.295	-.104	.294	-.092	.293	-.110		
.093	-.218	.133	-.241	.396	-.220	.404	-.128	.407	-.127	.397	-.121	.396	-.148		
.113	-.166	.272	-.199	.514	-.149	.497	-.151	.502	-.158	.495	-.159	.494	-.181		
.115	-.107	.416	-.144	.618	-.144	.599	-.174	.601	-.213	.594	-.231	.590	-.249		
.137	.190	.565	-.065	.733	-.175	.700	-.251	.698	-.294	.693	-.303	.693	-.327		
.138	.210	.713	-.039	.835	-.230	.782	-.320	.780	-.376	.784	-.417	.777	-.444		
.163	.169	.854	-.055	.919	-.273	.864	-.424	.863	-.530	.856	-.442	.861	-.541		
.162	.251	.980	-.082	.987	-.024	.926	-.091	.923	-.195	.926	-.244	.918	-.370		
.209	.048	1.074	-.120			.975	-.019	.977	-.052	.977	-.091	.972	-.203		
.247	-.067	1.122	-.077												
.276	-.151					LOWER SURFACE									
.324	-.292	.658	.028	-.022	-.130	.024	-.412	.025	-.547	.019	-.610	.020	-.648		
.361	-.249	.615	-.007	.038	-.436	.075	-.521	.074	-.715	.066	-.840	.221	-.713		
.396	-.198	.572	-.045	.101	-.411	.137	-.651	.130	-.736	.136	-.832	.295	-.601		
.438	-.107	.462	-.107	.185	-.412	.213	-.627	.214	-.730	.214	-.791	.396	-.540		
.487	.044	-.172	-.220	.289	-.404	.297	-.592	.298	-.726	.292	-.760	.497	-.494		
.518	.051	-.030	-.307	.398	-.474	.400	-.573	.397	-.739	.403	-.749	.597	-.436		
.556	.017	.128	-.342	.518	-.511	.498	-.621	.501	-.755	.489	-.582	.702	-.411		
.574	-.029	.273	-.137	.620	-.549	.604	-.231	.603	-.449	.594	-.389	.786	-.379		
.593	-.032	.418	-.289	.737	-.145	.705	-.179	.703	-.247	.700	-.311	.864	-.329		
.670	-.002	.564	-.319	.831	-.079	.785	-.198	.784	-.139	.786	-.383	.912	-.338		
.747	-.074	.710	-.260	.914	.049	.859	-.231	.868	-.035	.919	-.220	.985	-.325		
.766	-.111	.857	-.051	.986	.114	.922	-.188	.923	.112	.967	-.209				
.785	-.253	.976	.042	1.012	.042	.967	-.092	.972	.124						
.804	-.312	1.072	.056			1.000	-.014								
.823	-.290	1.110	.002												
.842	-.298														
.861	-.116														
.900	-.080														
.938	-.138														
CN=		-.0673		-.1426		-.2286		-.2862		-.3760		-.3125			
CM=		.0147		-.0232		-.0246		-.0650		-.0414		-.0314			

TABLE III-24		CONFIGURATION 140		M = 1.02		Q = 785		$\alpha = 0.03^\circ$		$C_L = -0.0430$		$\beta = 0^\circ$	
STA .044		STA .133		STA .307		STA .458		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.284	-.658	-.018	-.021	-.163	.023	-.229	.025	-.198	.022	.059	.018	.157
.057	.003	-.565	-.119	.035	-.412	.068	-.385	.079	-.307	.075	-.198	.077	-.132
.076	-.136	-.452	-.189	.105	-.333	.134	-.351	.133	-.330	.129	-.198	.129	-.163
.080	-.108	-.311	-.287	.178	-.336	.209	-.356	.214	-.296	.201	-.199	.209	-.167
.085	-.143	-.023	-.339	.286	-.325	.294	-.342	.295	-.285	.294	-.187	.293	-.192
.093	-.228	.133	-.283	.396	-.338	.404	-.305	.407	-.186	.397	-.184	.396	-.236
.113	-.183	.272	-.244	.514	-.268	.497	-.241	.502	-.224	.495	-.225	.494	-.279
.115	-.139	.416	-.195	.618	-.223	.599	-.250	.601	-.272	.594	-.276	.590	-.317
.137	.177	.565	-.138	.733	-.249	.700	-.297	.698	-.334	.693	-.355	.693	-.401
.138	.218	.713	-.106	.835	-.296	.782	-.371	.780	-.427	.784	-.457	.777	-.509
.163	.156	.854	-.111	.919	-.298	.864	-.474	.863	-.386	.856	-.449	.861	-.197
.162	.247	.980	-.141	.987	-.043	.926	-.088	.923	-.125	.926	-.109	.918	-.073
.209	.027	1.074	-.158			.975	-.025	.977	-.066	.977	-.081	.972	-.033
.247	-.082	1.122	-.111										
.276	-.172					LOWER SURFACE							
.324	-.307	-.658	.062	-.022	.077	.024	-.145	.025	-.364	.019	-.397	.020	-.435
.361	-.271	-.615	.031	.038	-.224	.075	-.394	.074	-.553	.066	-.669	.221	-.769
.396	-.219	-.572	.008	.101	-.228	.137	-.469	.130	-.565	.136	-.693	.295	-.756
.438	-.152	-.462	-.066	.185	-.312	.213	-.460	.214	-.603	.214	-.693	.396	-.747
.487	-.010	-.172	-.192	.289	-.322	.297	-.435	.298	-.557	.292	-.668	.497	-.605
.518	.013	-.030	-.269	.398	-.399	.400	-.494	.397	-.575	.403	-.668	.597	-.334
.556	-.024	.128	-.304	.518	-.464	.498	-.541	.501	-.600	.489	-.618	.702	-.005
.574	-.063	.273	-.121	.620	-.404	.604	-.184	.603	-.299	.594	-.298	.786	.028
.593	-.083	.418	-.253	.737	-.059	.705	-.114	.703	-.096	.700	-.151	.864	.101
.670	-.008	.564	-.274	.831	.011	.785	-.133	.784	.028	.786	.138	.912	.120
.747	-.059	.710	-.190	.914	.108	.859	-.142	.868	.129	.919	.194	.985	.013
.766	-.098	.857	.005	.986	.097	.922	-.059	.923	.191	.967	.083		
.785	-.247	.976	.083	1.012	.003	.967	.033	.972	.098				
.804	-.302	1.072	.084			1.000	-.014						
.823	-.286	1.110	.009										
.842	-.292												
.861	-.123												
.900	-.095												
.938	-.154												
CN=		.0942		.0727		.0013		-.0495		-.1216		-.1722	
CM=		.0245		-.0250		-.0279		-.0634		-.0863		-.0693	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

* TABLE III-25 CONFIGURATION 140 M = 1.02 Q = 785 $\alpha = 1.98^\circ$ $C_L = 0.2231$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .458		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.243	-.658	-.081	-.021	-.436	.023	-.429	.025	-.423	.022	-.223	.018	-.101
.057	-.031	-.565	-.174	.035	-.636	.068	-.617	.079	-.550	.075	-.498	.077	-.378
.076	-.159	-.452	-.223	.105	-.548	.134	-.579	.133	-.561	.129	-.457	.129	-.420
.080	-.125	-.311	-.340	.178	-.451	.209	-.546	.214	-.551	.201	-.497	.209	-.427
.085	-.171	-.023	-.382	.286	-.429	.294	-.483	.295	-.496	.294	-.466	.293	-.418
.093	-.229	.133	-.335	.396	-.438	.404	-.495	.407	-.434	.397	-.455	.396	-.431
.113	-.187	.272	-.288	.514	-.375	.497	-.422	.502	-.424	.495	-.429	.494	-.451
.115	-.132	.416	-.246	.618	-.313	.599	-.367	.601	-.409	.594	-.395	.590	-.407
.137	.166	.565	-.189	.733	-.321	.700	-.362	.698	-.389	.693	-.445	.693	-.444
.138	.207	.713	-.159	.835	-.359	.782	-.433	.780	-.453	.784	-.480	.777	-.497
.163	.135	.854	-.158	.919	-.276	.864	-.496	.863	-.244	.856	-.420	.861	-.368
.167	.232	.980	-.192	.987	-.066	.926	-.143	.923	-.112	.926	-.147	.918	-.129
.209	.003	1.074	-.214			.975	-.104	.977	-.107	.977	-.113	.972	-.076
.247	-.110	1.122	-.146										
.276	-.199					LOWER SURFACE							
.324	-.324	-.658	.098	-.022	.217	.024	.032	.025	-.157	.019	-.210	.020	-.146
.361	-.291	-.615	.077	.038	-.073	.075	-.211	.074	-.349	.066	-.524	.221	-.586
.396	-.252	-.572	.052	.101	-.151	.137	-.296	.130	-.403	.136	-.554	.295	-.560
.438	-.189	-.462	-.025	.185	-.224	.213	-.329	.214	-.409	.214	-.514	.396	-.423
.487	-.054	-.172	-.160	.289	-.258	.297	-.333	.298	-.427	.292	-.479	.497	-.202
.518	-.032	-.030	-.237	.398	-.309	.400	-.390	.397	-.440	.403	-.441	.597	-.095
.556	-.067	.128	-.253	.518	-.366	.498	-.463	.501	-.378	.489	-.197	.702	.059
.574	-.100	.273	-.101	.620	-.213	.604	-.165	.603	-.157	.594	-.157	.786	.130
.593	-.124	.418	-.209	.737	.019	.705	-.009	.703	.015	.700	.023	.864	.171
.670	-.015	.564	-.220	.831	.097	.785	.063	.784	.104	.786	.149	.912	.169
.747	-.069	.710	-.124	.914	.157	.859	.107	.868	.161	.919	.212	.985	-.028
.766	-.107	.857	.065	.986	.073	.922	.133	.923	.183	.967	.106		
.785	-.246	.976	.141	1.012	-.049	.967	.080	.972	.073				
.804	-.298	1.072	.115			1.000	-.074						
.823	-.270	1.110	.022										
.842	-.282												
.861	-.152												
.900	-.126												
.938	-.184												
CN=		.2643		.2794		.2626		.2170		.2028		.1690	
CM=		.0392		-.0274		-.0489		-.0573		-.0883		-.0796	

TABLE III-26 CONFIGURATION 140 M = 1.02 Q = 785 $\alpha = 3.99^\circ$ $C_L = 0.4765$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .458		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.720	-.658	-.148	-.021	-.686	.023	-.614	.025	-.586	.022	-.414	.018	-.369
.057	-.044	-.565	-.222	.035	-.832	.068	-.762	.079	-.674	.075	-.645	.077	-.595
.076	-.177	-.452	-.281	.105	-.776	.134	-.756	.133	-.703	.129	-.624	.129	-.628
.080	-.128	-.311	-.385	.178	-.602	.209	-.747	.214	-.697	.201	-.655	.209	-.608
.085	-.189	-.023	-.478	.286	-.508	.294	-.721	.295	-.673	.294	-.615	.293	-.584
.093	-.236	.133	-.377	.396	-.519	.404	-.700	.407	-.676	.397	-.609	.396	-.598
.113	-.196	.272	-.325	.514	-.453	.497	-.650	.502	-.666	.495	-.608	.494	-.598
.115	-.162	.416	-.287	.618	-.409	.599	-.500	.601	-.665	.594	-.621	.590	-.596
.137	.153	.565	-.243	.733	-.386	.700	-.484	.698	-.667	.693	-.643	.693	-.617
.138	.206	.713	-.206	.835	-.394	.782	-.493	.780	-.703	.784	-.619	.777	-.674
.163	.121	.854	-.217	.919	-.218	.864	-.411	.863	-.308	.856	-.325	.861	-.554
.162	.217	.980	-.245	.987	-.101	.926	-.194	.923	-.310	.926	-.277	.918	-.299
.209	-.013	1.074	-.269			.975	-.160	.977	-.302	.977	-.266	.972	-.246
.247	-.132	1.122	-.182										
.276	-.217					LOWER SURFACE							
.324	-.338	-.658	.118	-.022	.314	.024	.169	.025	.053	.019	.036	.020	.105
.361	-.314	-.615	.104	.038	.030	.075	-.090	.074	-.178	.066	-.243	.221	-.275
.396	-.267	-.572	.096	.101	-.052	.137	-.195	.130	-.216	.136	-.226	.295	-.264
.438	-.225	-.462	.015	.185	-.151	.213	-.185	.214	-.213	.214	-.219	.396	-.268
.487	-.089	-.172	-.132	.289	-.172	.297	-.196	.298	-.217	.292	-.211	.497	-.300
.518	-.070	-.030	-.197	.398	-.227	.400	-.233	.397	-.198	.403	-.212	.597	-.239
.556	-.098	.128	-.188	.518	-.195	.498	-.208	.501	-.225	.489	-.198	.702	-.025
.574	-.145	.273	-.081	.620	-.100	.604	-.156	.603	-.144	.594	-.200	.786	.047
.593	-.165	.418	-.167	.737	.073	.705	.024	.703	.017	.700	.009	.864	.102
.670	-.015	.564	-.179	.831	.158	.785	.133	.784	.139	.786	.106	.912	.107
.747	-.077	.710	-.016	.914	.198	.859	.186	.868	.192	.919	.194	.985	-.137
.766	-.109	.857	.154	.986	.057	.922	.194	.923	.198	.967	.045		
.785	-.251	.976	.199	1.012	-.090	.967	.078	.972	.030				
.804	-.289	1.072	.153			1.000	-.127						
.823	-.273	1.110	.043										
.842	-.259												
.861	-.162												
.900	-.146												
.938	-.211												
CN=		.4442		.4674		.5074		.5290		.4602		.4145	
CM=		.0490		-.0263		-.0566		-.0853		-.0811		-.0703	

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE III-27 CONFIGURATION 140 M = 1.02 Q = 785 $\alpha = 5.99^\circ$ $C_L = 0.6956$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .458 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
UPPER SURFACE						
.019 .200	-.658 -.218	-.021 -.837	.023 -.771	.025 -.750	.022 -.629	.018 -.562
.057 -.068	-.565 -.294	.035 -.943	.068 -.878	.079 -.872	.075 -.803	.077 -.736
.076 -.196	-.452 -.336	.105 -.939	.134 -.856	.133 -.826	.129 -.773	.129 -.764
.080 -.132	-.311 -.435	.178 -.915	.209 -.846	.214 -.812	.201 -.775	.209 -.754
.085 -.198	-.023 -.474	.286 -.860	.294 -.842	.295 -.771	.294 -.754	.293 -.735
.093 -.236	.133 -.413	.396 -.550	.404 -.845	.407 -.785	.397 -.739	.396 -.732
.113 -.190	.272 -.364	.514 -.505	.497 -.826	.502 -.772	.495 -.749	.494 -.723
.115 -.126	.416 -.333	.618 -.466	.599 -.817	.601 -.774	.594 -.738	.590 -.687
.137 .157	.565 -.291	.733 -.436	.700 -.731	.698 -.787	.693 -.708	.693 -.678
.138 .209	.713 -.259	.835 -.424	.782 -.597	.780 -.409	.784 -.609	.777 -.455
.163 .111	.854 -.260	.919 -.201	.864 -.348	.863 -.380	.856 -.475	.861 -.388
.162 .208	.980 -.283	.987 -.119	.926 -.313	.923 -.378	.926 -.480	.918 -.355
.209 -.027	1.074 -.314		.975 -.268	.977 -.374	.977 -.399	.972 -.362
.247 -.141	1.122 -.217					
.276 -.231			LOWER SURFACE			
.324 -.347	-.658 .128	-.022 .378	.024 .328	.025 .231	.019 .242	.020 .243
.361 -.320	-.615 .135	.038 .157	.075 .128	.074 .038	.066 -.017	.071 -.187
.396 -.285	-.572 .137	.101 .042	.137 .021	.130 -.041	.136 -.046	.129 -.199
.438 -.247	-.462 .054	.185 .028	.213 -.009	.214 -.074	.214 -.077	.296 -.199
.487 -.117	-.172 -.092	.289 -.011	.297 -.031	.298 -.083	.292 -.115	.497 -.289
.518 -.090	-.030 -.152	.398 -.059	.400 -.086	.397 -.120	.403 -.164	.597 -.259
.556 -.122	.128 -.125	.518 -.076	.498 -.130	.501 -.148	.489 -.159	.702 -.064
.574 -.174	.773 -.058	.620 -.035	.604 -.104	.603 -.131	.594 -.162	.786 .026
.593 -.204	.418 -.120	.737 .114	.705 .044	.703 .004	.700 .002	.864 .068
.670 -.016	.564 -.050	.831 .204	.785 .148	.784 .127	.786 .105	.912 .071
.747 -.060	.710 .082	.914 .234	.859 .200	.868 .188	.919 .176	.985 -.234
.766 -.104	.857 .209	.986 .067	.922 .201	.923 .195	.967 .024	
.785 -.245	.976 .248	1.012 -.111	.967 .049	.972 .017		
.804 -.279	1.072 .190		1.000 -.227			
.823 -.260	1.110 .070					
.842 -.262						
.861 -.165						
.900 -.164						
.938 -.250						
CN=	.6315	-.6865	.7459	-.6744	.6497	.5091
CM=	.0650	-.0190	-.0693	-.0716	-.0831	-.0459

TABLE III-28 CONFIGURATION 140 M = 1.02 Q = 785 $\alpha = 7.99^\circ$ $C_L = 0.8902$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .458 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
UPPER SURFACE						
.019 .177	-.658 -.304	-.021 -.960	.023 -.907	.025 -.885	.022 -.794	.018 -.716
.057 -.088	-.565 -.377	.035 -1.063	.068 -.989	.079 -.932	.075 -.912	.077 -.865
.076 -.203	-.452 -.393	.105 -1.056	.134 -.967	.133 -.936	.129 -.887	.129 -.880
.080 -.136	-.311 -.478	.178 -1.034	.209 -.960	.214 -.914	.201 -.897	.209 -.845
.085 -.213	-.023 -.519	.286 -.988	.294 -.942	.295 -.880	.294 -.858	.293 -.833
.093 -.244	.133 -.444	.396 -.807	.404 -.930	.407 -.886	.397 -.855	.396 -.825
.113 -.198	.272 -.399	.514 -.638	.497 -.917	.502 -.869	.495 -.823	.494 -.815
.115 -.178	.416 -.362	.618 -.529	.599 -.906	.601 -.825	.594 -.782	.590 -.801
.137 .136	.565 -.325	.733 -.495	.700 -.793	.698 -.656	.693 -.763	.693 -.785
.138 .201	.713 -.296	.835 -.442	.782 -.577	.780 -.582	.784 -.708	.777 -.771
.163 .096	.854 -.300	.919 -.268	.864 -.456	.863 -.572	.856 -.635	.861 -.612
.162 .189	.980 -.321	.987 -.161	.926 -.447	.923 -.493	.926 -.602	.918 -.547
.209 -.046	1.074 -.355		.975 -.393	.977 -.443	.977 -.593	.972 -.524
.247 -.161	1.122 -.272					
.276 -.249			LOWER SURFACE			
.324 -.369	-.658 .142	-.022 .453	.024 .470	.025 .379	.019 .366	.020 .369
.361 -.348	-.615 .161	.038 .281	.075 .266	.074 .177	.066 .107	.071 -.075
.396 -.313	-.572 .163	.101 .200	.137 .139	.130 .098	.136 .040	.129 -.117
.438 -.274	-.462 .103	.185 .129	.213 .075	.214 .040	.214 -.000	.296 -.156
.487 -.134	-.172 -.048	.289 .092	.297 .059	.298 -.011	.292 -.033	.497 -.250
.518 -.108	-.030 -.110	.398 .034	.400 -.021	.397 -.057	.403 -.105	.597 -.228
.556 -.146	.128 -.040	.518 .009	.498 -.044	.501 -.072	.489 -.105	.702 -.061
.574 -.196	.273 -.031	.620 .030	.604 -.049	.603 -.110	.594 -.137	.786 .016
.593 -.258	.418 -.002	.737 .161	.705 .054	.703 .018	.700 .007	.864 .067
.670 -.017	.564 .053	.831 .247	.785 .160	.784 .138	.786 .101	.912 .060
.747 -.069	.710 .161	.914 .261	.859 .224	.868 .206	.919 .186	.985 -.264
.766 -.113	.857 .270	.986 .070	.922 .213	.923 .202	.967 .020	
.785 -.246	.976 .280	1.012 -.139	.967 .032	.972 .002		
.804 -.285	1.072 .215		1.000 -.319			
.823 -.269	1.110 .083					
.842 -.269						
.861 -.187						
.900 -.183						
.938 -.278						
CN=	.8249	-.8811	.8989	.8242	.8025	.6953
CM=	.0885	-.0232	-.0763	-.0776	-.0946	-.0711

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE III-29 CONFIGURATION 140 M = 1.02 Q = 785 $\alpha = 9.99^\circ$ $C_L = 1.0124$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .458		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.160	-.658	-.389	-.021	-1.051	.023	-1.012	.025	-1.002	.022	-.865	.018	-.851
.057	-.101	-.565	-.450	.035	-1.143	.069	-1.078	.079	-1.011	.075	-.911	.077	-.880
.076	-.212	-.452	-.445	.105	-1.097	.134	-1.046	.133	-.988	.129	-.908	.129	-.878
.080	-.140	-.311	-.532	.178	-1.089	.209	-1.003	.214	-.970	.201	-.821	.209	-.812
.085	-.224	-.023	-.549	.286	-1.005	.294	-.999	.295	-.917	.294	-.730	.293	-.822
.093	-.244	.133	-.468	.396	-.905	.404	-.989	.407	-.762	.397	-.664	.396	-.681
.113	-.165	.272	-.417	.514	-.828	.497	-.884	.502	-.667	.495	-.611	.494	-.605
.115	-.182	.416	-.383	.618	-.834	.599	-.722	.601	-.604	.594	-.561	.590	-.576
.137	.136	.565	-.345	.733	-.792	.700	-.639	.698	-.553	.693	-.539	.693	-.549
.138	.197	.713	-.333	.835	-.738	.782	-.573	.780	-.529	.784	-.528	.777	-.516
.163	.088	.854	-.336	.919	-.673	.864	-.533	.863	-.515	.856	-.501	.861	-.486
.162	.172	.980	-.354	.987	-.366	.926	-.511	.923	-.508	.926	-.489	.918	-.470
.209	-.064	1.074	-.376			.975	-.493	.977	-.495	.977	-.487	.972	-.467
.247	-.176	1.122	-.314										
.276	-.263					LOWER SURFACE							
.324	-.378	-.658	.154	-.022	.503	.024	.563	.025	.482	.019	.482	.020	.466
.361	-.356	-.615	.195	.038	.406	.075	.376	.074	.318	.066	.226	.221	.011
.396	-.326	-.572	.200	.101	.300	.137	.268	.130	.204	.136	.138	.295	-.041
.438	-.283	-.462	.134	.185	.237	.213	.192	.214	.121	.214	.090	.396	-.107
.487	-.133	-.172	.002	.289	.193	.297	.155	.298	.073	.292	.040	.497	-.199
.518	-.125	-.010	-.038	.398	.122	.400	.074	.397	.075	.403	-.023	.597	-.196
.556	-.174	.128	.053	.518	.097	.498	-.027	.501	-.021	.489	-.047	.702	-.051
.574	-.225	.273	.001	.620	.093	.604	-.006	.603	-.072	.594	-.094	.786	.024
.593	-.296	.418	.103	.737	.203	.705	.072	.703	.045	.700	.019	.864	.073
.670	-.028	.564	.130	.831	.272	.785	.178	.784	.164	.786	.119	.912	.073
.747	-.068	.710	.219	.914	.289	.859	.234	.868	.219	.919	.204	.985	-.257
.766	-.115	.857	.325	.986	.094	.922	.215	.923	.210	.967	.022		
.785	-.236	.976	.335	1.012	-.118	.967	.028	.972	-.000				
.804	-.273	1.072	.245			1.000	-.466						
.823	-.266	1.110	.112										
.842	-.268												
.861	-.192												
.900	-.202												
.938	-.307												
CN=		1.0043		1.1401		.9703		.8356		.7252		.6277	
CM=		.1136		-.0817		-.0668		-.0566		-.0580		-.0333	

TABLE III-30 CONFIGURATION 140 M = 1.02 Q = 785 $\alpha = 11.95^\circ$ $C_L = 1.1080$ $\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .458		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.129	-.658	-.486	-.021	-1.124	.023	-1.090	.025	-.776	.022	-.481	.018	-.455
.057	-.112	-.565	-.664	.035	-1.116	.069	-1.034	.079	-.755	.075	-.465	.077	-.451
.076	-.217	-.452	-.504	.105	-1.116	.134	-1.030	.133	-.779	.129	-.480	.129	-.456
.080	-.147	-.311	-.569	.178	-1.090	.209	-1.033	.214	-.744	.201	-.481	.209	-.445
.085	-.232	-.023	-.580	.286	-1.043	.294	-.990	.295	-.701	.294	-.477	.293	-.449
.093	-.254	.133	-.447	.396	-1.021	.404	-.890	.407	-.729	.397	-.477	.396	-.430
.113	-.116	.272	-.442	.514	-1.028	.497	-.823	.502	-.706	.495	-.474	.494	-.426
.115	-.153	.416	-.403	.618	-1.039	.599	-.776	.601	-.695	.594	-.486	.590	-.422
.137	.130	.565	-.379	.733	-1.033	.700	-.746	.698	-.663	.693	-.477	.693	-.426
.138	.183	.713	-.368	.835	-1.050	.782	-.723	.780	-.644	.784	-.477	.777	-.415
.163	.081	.854	-.357	.919	-.947	.864	-.728	.863	-.649	.856	-.483	.861	-.412
.162	.153	.980	-.363	.987	-.576	.926	-.708	.923	-.632	.926	-.473	.918	-.417
.209	-.071	1.074	-.400			.975	-.675	.977	-.604	.977	-.473	.972	-.418
.247	-.185	1.122	-.424										
.276	-.270					LOWER SURFACE							
.324	-.386	-.658	.168	-.022	.511	.024	.613	.025	.559	.019	.541	.020	.510
.361	-.369	-.615	.217	.038	.476	.075	.459	.074	.388	.066	.333	.221	.079
.396	-.324	-.572	.236	.101	.403	.137	.345	.130	.294	.136	.235	.295	.027
.438	-.257	-.462	.190	.185	.330	.213	.268	.214	.206	.214	.165	.396	-.036
.487	-.130	-.172	.076	.289	.264	.297	.225	.298	.155	.292	.110	.497	-.134
.518	-.140	-.030	.061	.398	.203	.400	.151	.397	.089	.403	.045	.597	-.134
.556	-.202	.128	.132	.518	.159	.498	.093	.501	.018	.489	.010	.702	-.028
.574	-.260	.273	.016	.620	.144	.604	.045	.603	-.032	.594	-.057	.786	.046
.593	-.331	.418	.169	.737	.241	.705	.102	.703	.068	.700	.050	.864	.098
.670	-.046	.564	.198	.831	.301	.785	.193	.784	.180	.786	.130	.912	.088
.747	-.058	.710	.279	.914	.307	.859	.250	.868	.238	.919	.215	.985	-.251
.766	-.107	.857	.373	.986	.086	.922	.231	.923	.232	.967	.027		
.785	-.235	.976	.378	1.012	-.222	.967	.038	.972	.010				
.804	-.275	1.072	.283			1.000	-.649						
.823	-.268	1.110	.134										
.842	-.271												
.861	-.210												
.900	-.222												
.938	-.346												
CN=		1.1952		1.3553		1.0683		.8566		.5999		.4523	
CM=		.1598		-.1377		-.0952		-.0933		-.0711		-.0404	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE III-31

CONFIGURATION 140

M = 1.02

Q = 785

$\alpha = 14.07^\circ$

$C_L = 1.2436$

$\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .458		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.114	-.658	-.610	-.021	-1.091	.023	-1.033	.025	-.663	.022	-.479	.018	-.498
.057	-.120	-.565	-.817	.035	-1.078	.068	-1.022	.079	-.654	.075	-.494	.077	-.505
.076	-.222	-.452	-.615	.105	-1.084	.134	-1.023	.133	-.638	.129	-.505	.129	-.501
.080	-.154	-.311	-.632	.178	-1.072	.209	-1.054	.214	-.632	.201	-.513	.209	-.486
.085	-.235	-.023	-.590	.286	-1.063	.294	-1.022	.295	-.624	.294	-.530	.293	-.490
.093	-.259	.133	-.460	.396	-1.071	.404	-.916	.407	-.630	.397	-.531	.396	-.500
.113	-.066	.272	-.408	.514	-1.074	.497	-.849	.502	-.657	.495	-.533	.494	-.494
.115	-.153	.416	-.389	.618	-1.076	.599	-.836	.601	-.657	.594	-.535	.590	-.490
.137	-.130	.565	-.385	.733	-1.103	.700	-.814	.698	-.653	.693	-.535	.693	-.494
.138	.169	.713	-.405	.835	-1.191	.782	-.804	.780	-.643	.784	-.533	.777	-.487
.163	.085	.854	-.419	.919	-1.051	.864	-.812	.863	-.642	.856	-.539	.861	-.481
.162	.127	.980	-.415	.987	-.890	.926	-.799	.923	-.625	.926	-.528	.918	-.484
.209	-.084	1.074	-.443			.975	-.754	.977	-.618	.977	-.527	.972	-.491
.247	-.189	1.122	-.495										
.276	-.275					LOWER SURFACE							
.324	-.389	-.658	.177	-.022	.514	.024	-.654	.025	-.589	.019	.575	.020	.544
.361	-.367	-.615	.247	.038	.546	.075	.529	.074	.450	.066	.407	.221	.142
.396	-.316	-.572	.287	.101	.471	.137	.415	.130	.359	.136	.304	.295	.064
.438	-.256	-.462	.257	.185	.400	.213	.340	.214	.265	.214	.230	.396	-.009
.487	-.143	-.172	.166	.289	.338	.297	.286	.298	.207	.292	.167	.497	-.090
.518	-.171	-.030	.165	.398	.271	.400	.198	.397	.142	.403	.092	.597	-.099
.556	-.231	.128	.213	.518	.217	.498	.137	.501	.080	.489	.056	.702	-.012
.574	-.289	.273	.027	.620	.193	.604	.087	.603	.019	.594	-.009	.786	.049
.593	-.383	.418	.231	.737	.277	.705	.126	.703	.089	.700	.071	.864	.092
.670	-.053	.564	.254	.831	.323	.785	.209	.784	.192	.786	.152	.912	.087
.747	-.062	.710	.330	.914	.326	.859	.268	.868	.258	.919	.227	.985	-.270
.766	-.102	.857	.419	.986	.071	.922	.245	.923	.242	.967	.033		
.785	-.226	.976	.414	1.012	-.555	.967	.036	.972	.018				
.804	-.268	1.072	.306			1.000	-.760						
.823	-.282	1.110	.153										
.842	-.295												
.861	-.237												
.900	-.245												
.938	-.380												
CN=		1.3766		1.4614		1.1499		.8408		.6882		.5415	
CM=		.2100		-.1688		-.1120		-.0994		-.0822		-.0513	

TABLE III-32

CONFIGURATION 140

M = 0.99

Q = 766

$\alpha = -3.91^\circ$

$C_L = -0.4686$

$\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .458		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.286	-.658	.006	-.021	.182	.023	.232	.025	.245	.022	.381	.018	.439
.057	.003	-.565	-.094	.035	.017	.068	.079	.079	.105	.075	.158	.077	.165
.076	-.152	-.452	-.147	.105	-.026	.134	.049	.133	.080	.129	.119	.129	.117
.080	-.178	-.311	-.248	.178	-.054	.209	-.013	.214	.028	.201	.056	.209	.048
.085	-.167	-.023	-.285	.286	-.046	.294	-.027	.295	-.020	.294	.014	.293	-.016
.093	-.275	.133	-.209	.396	-.095	.404	-.063	.407	-.011	.397	-.017	.396	-.070
.113	.088	.272	-.160	.514	-.055	.497	-.082	.502	-.056	.495	-.078	.494	-.133
.115	.050	.416	-.019	.618	-.063	.599	-.148	.601	-.116	.594	-.136	.590	-.202
.137	.158	.565	.006	.733	-.136	.700	-.227	.698	-.193	.693	-.230	.693	-.304
.138	.168	.713	.012	.835	-.209	.782	-.128	.780	-.300	.784	-.341	.777	-.414
.163	.148	.854	-.021	.919	-.206	.864	-.155	.863	-.462	.856	-.470	.861	-.531
.162	.217	.980	-.064	.987	.009	.926	-.203	.923	-.306	.926	-.567	.918	-.669
.209	-.021	1.074	-.098			.975	-.204	.977	-.061	.977	-.518	.972	-.434
.247	-.085	1.122	-.074										
.276	-.166					LOWER SURFACE							
.324	-.305	-.658	-.047	-.022	-.383	.024	-.758	.025	-.867	.019	-.940	.020	-.515
.361	-.255	-.615	-.087	.038	-.735	.075	-.795	.074	-.948	.066	-.947	.221	-.495
.396	-.190	-.572	-.107	.101	-.616	.137	-.846	.130	-.944	.136	-.941	.295	-.449
.438	-.025	-.462	-.186	.185	-.601	.213	-.849	.214	-.897	.214	-.916	.396	-.420
.487	.123	-.172	-.294	.289	-.482	.297	-.807	.298	-.890	.292	-.799	.497	-.400
.518	.116	-.030	-.370	.398	-.554	.400	-.789	.397	-.874	.403	-.669	.597	-.455
.556	.059	.128	-.414	.518	-.593	.498	-.783	.501	-.631	.489	-.554	.702	-.424
.574	.048	.273	-.032	.620	-.614	.604	-.262	.603	-.358	.594	-.510	.786	-.409
.593	.025	.418	-.367	.737	-.221	.705	-.195	.703	-.256	.700	-.518	.864	-.391
.670	.011	.564	-.385	.831	-.163	.785	-.182	.784	-.294	.786	-.486	.912	-.391
.747	-.070	.710	-.322	.914	-.016	.859	-.234	.868	-.306	.919	-.422	.985	-.394
.766	-.102	.857	-.123	.986	.130	.922	-.203	.923	-.270	.967	-.405		
.785	-.263	.976	-.021	1.012	.093	.967	-.171	.972	-.226				
.804	-.327	1.072	.025			1.000	-.130						
.823	-.293	1.110	-.008										
.842	-.261												
.861	-.071												
.900	-.069												
.938	-.001												
CN=		-.2469		-.3689		-.4592		-.5109		-.5243		-.2781	
CM=		.0027		-.0297		-.0360		-.0447		-.0447		-.0373	

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

TABLE III-33		CONFIGURATION 140		M = 0.99		Q = 766		$\alpha = -1.87^{\circ}$		$C_L = -0.2692$		$\beta = 0^{\circ}$	
STA .044		STA .133		STA .307		STA .458		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.253	-.658	-.015	-.021	.006	.023	.017	.025	.047	.022	.197	.018	.322
.057	-.011	-.565	-.113	.035	-.212	.068	-.131	.079	-.045	.075	.036	.077	.048
.076	-.160	-.452	-.187	.105	-.203	.134	-.173	.133	-.094	.129	-.044	.129	-.000
.080	-.152	-.311	-.296	.178	-.218	.209	-.189	.214	-.117	.201	-.087	.209	-.047
.085	-.167	-.023	-.336	.286	-.201	.294	-.161	.295	-.127	.294	-.111	.293	-.092
.093	-.268	.133	-.271	.396	-.206	.404	-.160	.407	-.161	.397	-.104	.396	-.146
.113	.019	.272	-.213	.514	-.169	.497	-.179	.502	-.198	.495	-.157	.494	-.182
.115	.045	.416	-.159	.618	-.162	.599	-.224	.601	-.251	.594	-.195	.590	-.242
.137	.147	.565	-.061	.733	-.204	.700	-.280	.698	-.340	.693	-.255	.693	-.329
.138	.177	.713	-.050	.835	-.268	.782	-.362	.780	-.298	.784	-.342	.777	-.399
.163	.126	.854	-.072	.919	-.267	.864	-.260	.863	-.300	.856	-.291	.861	-.356
.162	.211	.980	-.111	.987	-.023	.926	-.109	.923	-.239	.926	-.197	.918	-.305
.209	-.001	1.074	-.130			.975	-.024	.977	-.045	.977	-.101	.972	-.276
.247	-.103	1.172	-.060										
.276	-.179					LOWER SURFACE							
.324	-.315	-.658	.002	-.022	-.137	.024	-.435	.025	-.619	.019	-.702	.020	-.749
.361	-.280	-.615	-.039	.038	-.518	.075	-.583	.074	-.816	.066	-.907	.221	-.620
.396	-.223	-.572	-.066	.101	-.424	.137	-.710	.130	-.819	.136	-.892	.295	-.537
.438	-.114	-.462	-.147	.185	-.440	.213	-.672	.214	-.817	.214	-.857	.396	-.490
.487	.036	-.172	-.263	.289	-.447	.297	-.630	.298	-.771	.292	-.845	.497	-.443
.518	.048	-.030	-.342	.398	-.511	.400	-.613	.397	-.795	.403	-.796	.597	-.432
.556	-.001	.128	-.383	.518	-.552	.498	-.673	.501	-.789	.489	-.611	.702	-.433
.574	-.026	.273	-.046	.620	-.525	.604	-.184	.603	-.312	.594	-.293	.786	-.359
.593	-.019	.418	-.331	.737	-.128	.705	-.150	.703	-.154	.700	-.190	.864	-.285
.670	-.010	.564	-.343	.831	-.076	.785	-.204	.784	-.073	.786	-.253	.912	-.280
.747	-.059	.710	-.270	.914	.048	.859	-.219	.868	.068	.919	-.179	.985	-.263
.766	-.103	.857	-.067	.986	.110	.922	-.165	.923	.127	.967	-.158		
.785	-.270	.976	.030	1.012	.041	.967	-.059	.972	.114				
.804	-.323	1.072	.058			1.000	.013						
.823	-.294	1.110	.008										
.842	-.240												
.861	-.059												
.900	-.022												
.938	-.063												
CN=		-.0760		-.1476		-.2347		-.2855		-.3907		-.3002	
CM=		.0151		-.0287		-.0298		-.0740		-.0493		-.0308	

TABLE III-34		CONFIGURATION 140		M = 0.99	Q = 766	$\alpha = 0.06^{\circ}$	$C_L = -0.0305$	$\beta = 0^{\circ}$
STA .044	STA .133	STA .307	STA .458	STA .653	STA .804	STA .933		
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP		
UPPER SURFACE								
.019 .229	-.658 -.052	-.021 -.190	.023 -.268	.025 -.225	.022 .070	.018 .159		
.057 -.053	-.565 -.164	.035 -.421	.068 -.399	.079 -.344	.075 -.151	.077 -.151		
.076 -.187	-.452 -.223	.105 -.353	.134 -.375	.133 -.329	.129 -.199	.129 -.162		
.080 -.170	-.311 -.341	.178 -.358	.209 -.384	.214 -.285	.201 -.227	.209 -.186		
.085 -.200	-.023 -.379	.286 -.340	.294 -.360	.295 -.737	.294 -.221	.293 -.221		
.093 -.279	.133 -.316	.396 -.356	.404 -.261	.407 -.211	.397 -.229	.396 -.264		
.113 .035	.272 -.266	.514 -.260	.497 -.266	.502 -.252	.495 -.271	.494 -.312		
.115 .025	.416 -.221	.618 -.235	.599 -.261	.601 -.316	.594 -.322	.590 -.363		
.137 .139	.565 -.148	.733 -.261	.700 -.330	.698 -.385	.693 -.392	.693 -.371		
.138 .180	.713 -.116	.835 -.314	.782 -.400	.780 -.469	.784 -.496	.777 -.471		
.163 .109	.854 -.119	.919 -.291	.864 -.415	.863 -.275	.856 -.251	.861 -.282		
.162 .210	.980 -.164	.987 -.046	.926 -.085	.923 -.129	.926 -.150	.918 -.026		
.209 -.016	1.074 -.167		.975 -.015	.977 -.053	.977 -.057	.972 .071		
.247 -.116	1.122 -.112							
.276 -.206			LOWER SURFACE					
.324 -.348	-.658 .037	-.022 .037	.024 -.174	.025 -.384	.019 -.475	.020 -.542		
.361 -.308	-.615 .007	.038 -.234	.075 -.430	.074 -.583	.066 -.747	.221 -.755		
.396 -.252	-.572 -.028	.101 -.261	.137 -.489	.130 -.628	.136 -.771	.295 -.649		
.438 -.178	-.462 -.106	.185 -.361	.213 -.496	.214 -.626	.214 -.761	.396 -.424		
.487 -.023	-.172 -.228	.289 -.369	.297 -.491	.298 -.619	.292 -.714	.497 -.378		
.518 -.004	-.030 -.307	.398 -.436	.400 -.530	.397 -.616	.403 -.673	.597 -.230		
.556 -.044	.128 -.351	.518 -.479	.498 -.584	.501 -.593	.489 -.540	.702 -.048		
.574 -.080	.273 -.038	.620 -.338	.604 -.177	.603 -.213	.594 -.178	.786 -.048		
.593 -.061	.418 -.283	.737 -.056	.705 -.079	.703 -.052	.700 .028	.864 .069		
.670 -.017	.564 -.302	.831 .014	.785 -.075	.784 .040	.786 .159	.912 .131		
.747 -.086	.710 -.196	.914 .090	.859 -.054	.868 .138	.919 .246	.985 .105		
.766 -.122	.857 -.012	.986 .078	.922 .018	.923 .204	.967 .124			
.785 -.275	.976 .079	1.012 .000	.967 .078	.972 .113				
.804 -.314	1.072 .071		1.000 -.004					
.823 -.135	1.110 -.011							
.842 -.102								
.861 -.113								
.900 -.021								
.938 .046								
CN=	.0913	.0695	.0091	-.0448	-.0885	-.1005		
CM=	.0276	-.0277	-.0376	-.0706	-.1046	-.0733		

~~CONFIDENTIAL~~

TABLE III-35 CONFIGURATION 140 M = 0.99 Q = 766 $\alpha = 1.99^\circ$ $C_L = 0.2342$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .458 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
UPPER SURFACE						
.019 .206	-.658 -.110	-.021 -.467	.023 -.508	.025 -.475	.022 -.268	.018 -.147
.057 -.071	-.565 -.210	.035 -.695	.068 -.663	.079 -.574	.075 -.489	.077 -.432
.076 -.204	-.452 -.265	.105 -.552	.134 -.642	.133 -.598	.129 -.499	.129 -.459
.080 -.169	-.311 -.384	.178 -.479	.209 -.572	.214 -.587	.201 -.541	.209 -.477
.085 -.217	-.023 -.418	.286 -.453	.294 -.512	.295 -.515	.294 -.507	.293 -.455
.093 -.270	.133 -.363	.396 -.453	.404 -.506	.407 -.474	.397 -.495	.396 -.364
.113 .023	.272 -.316	.514 -.385	.497 -.402	.502 -.429	.495 -.409	.494 -.404
.115 .025	.416 -.271	.618 -.348	.599 -.372	.601 -.349	.594 -.326	.590 -.337
.137 .132	.565 -.204	.733 -.340	.700 -.407	.698 -.411	.693 -.401	.693 -.415
.138 .186	.713 -.177	.835 -.377	.782 -.464	.780 -.493	.784 -.513	.777 -.540
.163 .098	.854 -.182	.919 -.250	.864 -.439	.863 -.294	.856 -.380	.861 -.210
.162 .192	.980 -.221	.987 -.073	.926 -.140	.923 -.131	.926 -.143	.918 -.073
.209 -.040	1.074 -.231		.975 -.102	.977 -.109	.977 -.095	.972 -.008
.247 -.149	1.122 -.149					
.276 -.229			LOWER SURFACE			
.324 -.359	-.658 .058	-.022 .216	.024 -.011	.025 -.219	.019 -.273	.020 -.160
.361 -.329	-.615 .046	.038 -.089	.075 -.265	.074 -.388	.066 -.561	.221 -.443
.396 -.278	-.572 .024	.101 -.173	.137 -.343	.130 -.452	.136 -.551	.295 -.298
.438 -.217	-.462 -.061	.185 -.250	.213 -.342	.214 -.456	.214 -.438	.396 -.273
.487 -.064	-.172 -.188	.289 -.298	.297 -.369	.298 -.436	.292 -.434	.497 -.309
.518 -.044	-.030 -.268	.398 -.332	.400 -.423	.397 -.330	.403 -.277	.597 -.145
.556 -.085	.128 -.288	.518 -.378	.498 -.476	.501 -.217	.489 -.197	.702 .049
.574 -.133	.273 -.008	.620 -.203	.604 -.180	.603 -.167	.594 -.165	.786 .104
.593 -.117	.418 -.233	.737 .013	.705 -.009	.703 .004	.700 .015	.864 .144
.670 -.022	.564 -.242	.831 .091	.785 .083	.784 .133	.786 .111	.912 .161
.747 -.088	.710 -.122	.914 .135	.859 .113	.868 .178	.919 .185	.985 .033
.766 -.132	.857 .057	.986 .059	.922 .137	.923 .185	.967 .093	
.785 -.278	.976 .118	1.012 -.061	.967 .077	.972 .072		
.804 -.326	1.072 .104		1.000 -.064			
.823 -.294	1.110 .007					
.842 -.147						
.861 -.072						
.900 -.091						
.938 .057						
CN=	.2731	.2839	.2630	.2530	.2245	.1944
CM=	.0396	-.0268	-.0485	-.0655	-.0803	-.0576

TABLE III-36 CONFIGURATION 140 M = 0.99 Q = 766 $\alpha = 4.01^\circ$ $C_L = 0.4938$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .458 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
UPPER SURFACE						
.019 .173	-.658 -.194	-.021 -.747	.023 -.676	.025 -.673	.022 -.488	.018 -.449
.057 -.091	-.565 -.272	.035 -.877	.068 -.824	.079 -.747	.075 -.689	.077 -.675
.076 -.226	-.452 -.315	.105 -.839	.134 -.804	.133 -.764	.129 -.700	.129 -.694
.080 -.171	-.311 -.427	.178 -.619	.209 -.794	.214 -.752	.201 -.731	.209 -.693
.085 -.231	-.023 -.468	.286 -.544	.294 -.770	.295 -.715	.294 -.690	.293 -.671
.093 -.275	.133 -.409	.396 -.553	.404 -.735	.407 -.720	.397 -.685	.396 -.664
.113 -.004	.272 -.362	.514 -.495	.497 -.647	.502 -.708	.495 -.672	.494 -.665
.115 .008	.416 -.316	.618 -.443	.599 -.494	.601 -.704	.594 -.680	.590 -.658
.137 .124	.565 -.263	.733 -.424	.700 -.496	.698 -.701	.693 -.709	.693 -.657
.138 .177	.713 -.231	.835 -.405	.782 -.503	.780 -.594	.784 -.407	.777 -.692
.163 .079	.854 -.242	.919 -.202	.864 -.371	.863 -.318	.856 -.311	.861 -.226
.162 .176	.980 -.274	.987 -.117	.926 -.180	.923 -.252	.926 -.274	.918 -.192
.209 -.060	1.074 -.283		.975 -.141	.977 -.250	.977 -.249	.972 -.126
.247 -.170	1.122 -.179					
.276 -.248			LOWER SURFACE			
.324 -.376	-.658 .081	-.022 .289	.024 .211	.025 .068	.019 .080	.020 .101
.361 -.348	-.615 .075	.038 .024	.075 -.067	.074 -.141	.066 -.225	.221 -.249
.396 -.309	-.572 .067	.101 -.084	.137 -.143	.130 -.209	.136 -.226	.295 -.247
.438 -.250	-.462 -.020	.185 -.169	.213 -.172	.214 -.225	.214 -.197	.396 -.234
.487 -.109	-.172 -.161	.289 -.189	.297 -.150	.298 -.185	.292 -.182	.497 -.307
.518 -.087	-.030 -.235	.398 -.164	.400 -.213	.397 -.175	.403 -.211	.597 -.232
.556 -.134	.128 -.215	.518 -.168	.498 -.201	.501 -.203	.489 -.183	.702 -.042
.574 -.179	.273 .006	.620 -.118	.604 -.152	.603 -.165	.594 -.186	.786 .043
.593 -.172	.418 -.206	.737 .058	.705 .017	.703 .007	.700 -.016	.864 .126
.670 -.026	.564 -.172	.831 .150	.785 .131	.784 .132	.786 .086	.912 .103
.747 -.093	.710 -.067	.914 .181	.859 .188	.868 .191	.919 .176	.985 -.039
.766 -.134	.857 .127	.986 .043	.922 .194	.923 .192	.967 .044	
.785 -.265	.976 .187	1.012 -.107	.967 .075	.972 .041		
.804 -.311	1.072 .144		1.000 -.107			
.823 -.278	1.110 .030					
.842 -.245						
.861 -.090						
.900 -.074						
.938 .030						
CN=	.4599	.4967	.5414	.5580	.4952	.4453
CM=	.0503	-.0263	-.0490	-.0755	-.0696	-.0536

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE III-37

CONFIGURATION 140

M = 0.99

Q = 766

$\alpha = 6.00^\circ$

$C_L = 0.7065$

$\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.458 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
UPPER SURFACE													
.019	.159	-.658	-.262	-.021	-.914	.023	-.826	.025	-.855	.022	-.713	.018	-.654
.057	-.110	-.565	-.339	.035	-1.018	.068	-.949	.079	-.900	.075	-.847	.077	-.818
.076	-.238	-.452	-.366	.105	-1.015	.134	-.929	.133	-.884	.129	-.850	.129	-.842
.080	-.173	-.311	-.475	.178	-.937	.209	-.923	.214	-.875	.201	-.848	.209	-.818
.085	-.244	-.023	-.512	.286	-.840	.294	-.893	.295	-.850	.294	-.829	.293	-.799
.093	-.283	.133	-.455	.396	-.587	.404	-.893	.407	-.838	.397	-.796	.396	-.787
.113	-.038	.272	-.403	.514	-.540	.497	-.885	.502	-.839	.495	-.796	.494	-.767
.115	-.046	.416	-.361	.618	-.494	.599	-.848	.601	-.831	.594	-.785	.590	-.744
.137	.113	.565	-.309	.733	-.466	.700	-.733	.698	-.775	.693	-.746	.693	-.692
.138	.175	.713	-.275	.835	-.417	.782	-.566	.780	-.405	.784	-.582	.777	-.491
.163	.065	.854	-.279	.919	-.215	.864	-.344	.863	-.392	.856	-.479	.861	-.366
.162	.165	.980	-.304	.987	-.139	.926	-.311	.923	-.401	.926	-.431	.918	-.325
.209	-.071	1.074	-.336			.975	-.226	.977	-.394	.977	-.352	.972	-.330
.247	-.187	1.122	-.216										
.276	-.268												
.324	-.395	-.658	.105	-.022	.363	.024	.358	.025	.276	.019	.254	.020	.253
.361	-.371	-.615	.107	.038	.161	.075	.133	.074	.054	.066	-.018	.221	-.146
.396	-.333	-.572	.098	.101	.053	.137	.013	.130	-.028	.136	-.070	.295	-.181
.438	-.277	-.462	.017	.185	.034	.213	-.021	.214	-.077	.214	-.111	.396	-.216
.487	-.179	-.172	-.124	.289	-.021	.297	-.020	.298	-.092	.292	-.104	.497	-.303
.518	-.104	-.030	-.186	.398	-.052	.400	-.110	.397	-.118	.403	-.170	.597	-.245
.556	-.149	.128	-.143	.518	-.072	.498	-.117	.501	-.127	.489	-.140	.702	-.077
.574	-.199	.273	.038	.620	-.051	.604	-.111	.603	-.162	.594	-.167	.786	-.000
.593	-.199	.418	-.093	.737	.111	.705	.027	.703	-.013	.700	-.017	.864	.053
.670	-.045	.564	-.031	.831	.179	.785	.141	.784	.115	.786	.083	.912	.055
.747	-.088	.710	.082	.914	.212	.859	.213	.868	.177	.919	.157	.985	-.243
.766	-.173	.857	.197	.986	.046	.922	.211	.923	.178	.967	-.003		
.785	-.279	.976	.231	1.012	-.126	.967	.062	.972	-.008				
.804	-.314	1.072	.168			1.000	-.210						
.823	-.288	1.110	.044										
.842	-.262												
.861	-.166												
.900	-.178												
.938	-.070												
CN=		.6613		.7100		.7770		.7164		.6759		.5520	
CM=		.0663		-.0152		-.0643		-.0664		-.0751		-.0383	

TABLE III-38

CONFIGURATION 140

M = 0.99

Q = 766

$\alpha = 7.99^\circ$

$C_L = 0.8929$

$\beta = 0^\circ$

STA X/C	.044 CP	STA X/C	.133 CP	STA X/C	.307 CP	STA X/C	.458 CP	STA X/C	.653 CP	STA X/C	.804 CP	STA X/C	.933 CP
UPPER SURFACE													
.019	.146	-.658	-.344	-.021	-1.037	.023	-.985	.025	-.977	.022	-.879	.018	-.810
.057	-.126	-.565	-.415	.035	-1.136	.068	-1.067	.079	-1.005	.075	-.958	.077	-.945
.076	-.253	-.452	-.424	.105	-1.135	.134	-1.040	.133	-1.002	.129	-.957	.129	-.950
.080	-.184	-.311	-.533	.178	-1.100	.209	-1.014	.214	-.995	.201	-.953	.209	-.922
.085	-.257	-.023	-.552	.286	-1.054	.294	-1.005	.295	-.962	.294	-.920	.293	-.895
.093	-.288	.133	-.479	.396	-.827	.404	-.969	.407	-.935	.397	-.922	.396	-.889
.113	.004	.272	-.421	.514	-.690	.497	-.956	.502	-.941	.495	-.890	.494	-.867
.115	-.039	.416	-.385	.618	-.589	.599	-.840	.601	-.884	.594	-.848	.590	-.836
.137	.108	.565	-.330	.733	-.518	.700	-.654	.698	-.754	.693	-.805	.693	-.817
.138	.173	.713	-.302	.835	-.441	.782	-.570	.780	-.671	.784	-.680	.777	-.670
.163	.055	.854	-.314	.919	-.284	.864	-.481	.863	-.535	.856	-.685	.861	-.546
.162	.149	.980	-.338	.987	-.186	.926	-.437	.923	-.448	.926	-.655	.918	-.491
.209	-.089	1.074	-.366			.975	-.403	.977	-.387	.977	-.620	.972	-.468
.247	-.195	1.122	-.263										
.276	-.281												
.324	-.402	-.658	.110	-.022	.449	.024	.470	.025	.380	.019	.369	.020	.356
.361	-.381	-.615	.131	.038	.287	.075	.254	.074	.178	.066	.103	.221	-.099
.396	-.346	-.572	.133	.101	.201	.137	.153	.130	.086	.136	.035	.295	-.129
.438	-.292	-.462	.064	.185	.123	.213	.081	.214	.014	.214	-.020	.396	-.192
.487	-.134	-.172	-.085	.289	.097	.297	.057	.298	-.021	.292	-.037	.497	-.272
.518	-.106	-.030	-.110	.398	.029	.400	-.034	.397	-.063	.403	-.109	.597	-.238
.556	-.167	.128	-.038	.518	.010	.498	-.052	.501	-.102	.489	-.136	.702	-.098
.574	-.221	.273	.052	.620	.010	.604	-.072	.603	-.130	.594	-.153	.786	-.006
.593	-.250	.418	.013	.737	.136	.705	.031	.703	-.007	.700	-.013	.864	.038
.670	-.046	.564	.050	.831	.216	.785	.143	.784	.125	.786	.085	.912	.027
.747	-.095	.710	.142	.914	.237	.859	.211	.868	.186	.919	.155	.985	-.298
.766	-.139	.857	.253	.986	.054	.922	.185	.923	.182	.967	-.018		
.785	-.283	.976	.276	1.012	-.135	.967	.007	.972	-.019				
.804	-.315	1.072	.193			1.000	-.377						
.823	-.292	1.110	.066										
.842	-.275												
.861	-.186												
.900	-.183												
.938	-.148												
CN=		.8466		.9174		.9009		.8615		.8380		.6953	
CM=		.0952		-.0184		-.0628		-.0734		-.0935		-.0544	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE III-39 CONFIGURATION 140 M = 0.99 Q = 766 $\alpha = 10.01^\circ$ $C_L = 0.9978$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .458 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
UPPER SURFACE						
.019 -.120	-.658 -.435	-.021 -1.139	.023 -1.094	.025 -1.087	.022 -.840	.018 -.673
.057 -.137	-.565 -.500	.035 -1.184	.068 -1.160	.079 -1.070	.075 -.833	.077 -.612
.076 -.261	-.452 -.491	.105 -1.167	.134 -1.109	.133 -1.051	.129 -.840	.129 -.619
.080 -.182	-.311 -.575	.178 -1.148	.209 -1.090	.214 -1.026	.201 -.757	.209 -.582
.085 -.266	-.023 -.574	.266 -1.019	.294 -1.075	.295 -.952	.294 -.751	.293 -.552
.093 -.288	.133 -.487	.396 -.939	.404 -.978	.407 -.782	.397 -.694	.396 -.523
.113 -.031	.272 -.434	.514 -.911	.497 -.863	.502 -.722	.495 -.652	.494 -.527
.115 -.016	.416 -.388	.618 -.882	.599 -.738	.601 -.644	.594 -.624	.590 -.560
.137 -.108	.565 -.358	.733 -.886	.700 -.654	.698 -.603	.693 -.583	.693 -.515
.138 -.168	.713 -.341	.835 -.764	.782 -.597	.780 -.583	.784 -.586	.777 -.525
.163 -.046	.854 -.344	.919 -.612	.864 -.546	.863 -.557	.856 -.574	.861 -.462
.162 -.134	.980 -.363	.987 -.310	.926 -.516	.923 -.545	.926 -.551	.918 -.458
.209 -.100	1.074 -.409		.975 -.503	.977 -.527	.977 -.552	.972 -.478
.247 -.219	1.122 -.320					
.276 -.301			LOWER SURFACE			
.324 -.422	-.658 .119	-.022 .490	.024 .547	.025 .469	.019 .460	.020 .437
.361 -.390	-.615 .166	.038 .396	.075 .348	.074 .283	.066 .219	.221 -.023
.396 -.338	-.572 .179	.101 .305	.137 .245	.130 .194	.136 .130	.295 -.073
.438 -.277	-.462 .119	.185 .240	.213 .169	.214 .108	.214 .076	.396 -.135
.487 -.132	-.172 -.012	.289 .179	.297 .111	.298 .057	.292 .023	.497 -.226
.518 -.130	-.030 -.007	.398 .119	.400 .053	.397 .005	.403 -.043	.597 -.210
.556 -.204	.128 .058	.518 .066	.498 -.002	.501 -.047	.489 -.072	.702 -.080
.574 -.263	.273 .077	.620 .063	.604 -.029	.603 -.101	.594 -.117	.786 -.010
.593 -.317	.418 .088	.737 .175	.705 .048	.703 .019	.700 -.007	.864 .049
.670 -.057	.564 .119	.831 .247	.785 .152	.784 .134	.786 .080	.912 .047
.747 -.104	.710 .197	.914 .266	.859 .210	.868 .196	.919 .160	.985 -.290
.766 -.149	.857 .307	.986 .083	.922 .181	.923 .183	.967 -.021	
.785 -.291	.976 .314	1.012 -.099	.967 .012	.972 -.032		
.804 -.316	1.072 .220		1.000 -.482			
.823 -.293	1.110 .078					
.842 -.281						
.861 -.220						
.900 -.223						
.938 -.296						
CN=	1.0256	1.1688	.9733	.8593	.7221	.4854
CM=	.1313	-.0779	-.0597	-.0570	-.0669	-.0400

TABLE III-40 CONFIGURATION 140 M = 0.99 Q = 766 $\alpha = 11.96^\circ$ $C_L = 1.1050$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .458 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
UPPER SURFACE						
.019 .086	-.658 -.546	-.021 -1.197	.023 -1.126	.025 -.763	.022 -.495	.018 -.491
.057 -.151	-.565 -.716	.035 -1.173	.068 -1.079	.079 -.723	.075 -.498	.077 -.483
.076 -.263	-.452 -.558	.105 -1.173	.134 -1.078	.133 -.728	.129 -.507	.129 -.474
.080 -.188	-.311 -.621	.178 -1.142	.209 -1.083	.214 -.744	.201 -.504	.209 -.466
.085 -.277	-.023 -.611	.286 -1.103	.294 -1.049	.295 -.721	.294 -.504	.293 -.466
.093 -.301	.133 -.513	.396 -1.093	.404 -.960	.407 -.734	.397 -.506	.396 -.464
.113 .026	.272 -.455	.514 -1.102	.497 -.867	.502 -.710	.495 -.507	.494 -.460
.115 -.017	.416 -.419	.618 -1.114	.599 -.828	.601 -.692	.594 -.505	.590 -.451
.137 .106	.565 -.399	.733 -1.109	.700 -.813	.698 -.679	.693 -.510	.693 -.458
.138 .167	.713 -.383	.835 -1.110	.782 -.778	.780 -.668	.784 -.503	.777 -.452
.163 .040	.854 -.388	.919 -.888	.864 -.773	.863 -.675	.856 -.513	.861 -.444
.162 .111	.980 -.400	.987 -.517	.926 -.746	.923 -.665	.926 -.505	.918 -.452
.209 -.118	1.074 -.446		.975 -.694	.977 -.640	.977 -.502	.972 -.447
.247 -.230	1.122 -.426					
.276 -.307			LOWER SURFACE			
.324 -.421	-.658 .134	-.022 .487	.024 .602	.025 .532	.019 .513	.020 .482
.361 -.394	-.615 .195	.038 .455	.075 .434	.074 .366	.066 .294	.221 .045
.396 -.332	-.572 .209	.101 .381	.137 .325	.130 .268	.136 .208	.295 -.007
.438 -.270	-.462 .160	.185 .292	.213 .235	.214 .165	.214 .136	.396 -.078
.487 -.151	-.172 .059	.289 .246	.297 .200	.298 .117	.292 .090	.497 -.170
.518 -.169	-.030 .065	.398 .177	.400 .126	.397 .052	.403 .013	.597 -.165
.556 -.243	.128 .124	.518 .136	.498 .069	.501 -.006	.489 -.026	.702 -.060
.574 -.295	.273 .075	.620 .112	.604 .015	.603 -.062	.594 -.085	.786 .014
.593 -.384	.418 .161	.737 .213	.705 .068	.703 .039	.700 .014	.864 .065
.670 -.069	.564 .171	.831 .270	.785 .167	.784 .153	.786 .106	.912 .055
.747 -.090	.710 .246	.914 .278	.859 .229	.868 .205	.919 .182	.985 -.285
.766 -.133	.857 .340	.986 .055	.922 .199	.923 .192	.967 -.001	
.785 -.267	.976 .343	1.012 -.177	.967 -.003	.972 -.031		
.804 -.305	1.072 .245		1.000 -.663			
.823 -.308	1.110 .096					
.842 -.309						
.861 -.241						
.900 -.256						
.938 -.375						
CN=	1.2152	1.3797	1.0922	.8306	.5976	.4477
CM=	.1754	-.1336	-.0973	-.0941	-.0712	-.0403

~~CONFIDENTIAL~~

TABLE III-41 CONFIGURATION 140 M = 0.99 Q = 766 $\alpha = 14.07^\circ$ $C_L = 1.2467$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .458 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
UPPER SURFACE						
.019 .072	-.658 -.663	-.021 -1.150	.023 -1.090	.025 -.664	.022 -.539	.018 -.534
.057 -.166	-.565 -.887	.035 -1.148	.068 -1.084	.079 -.661	.075 -.556	.077 -.530
.076 -.272	-.452 -.654	.105 -1.137	.134 -1.086	.133 -.647	.129 -.561	.129 -.533
.080 -.186	-.311 -.664	.178 -1.121	.209 -1.105	.214 -.610	.201 -.574	.209 -.525
.085 -.271	-.023 -.614	.286 -1.123	.294 -1.043	.295 -.609	.294 -.579	.293 -.530
.093 -.295	.133 -.490	.396 -1.126	.404 -.932	.407 -.610	.397 -.572	.396 -.522
.113 .060	.272 -.431	.514 -1.147	.497 -.886	.502 -.647	.495 -.572	.494 -.515
.115 -.012	.416 -.409	.618 -1.139	.599 -.877	.601 -.640	.594 -.577	.590 -.524
.137 .107	.565 -.409	.733 -1.197	.700 -.846	.698 -.639	.693 -.569	.693 -.522
.138 .147	.713 -.440	.835 -1.262	.782 -.855	.780 -.636	.784 -.571	.777 -.528
.163 .038	.854 -.462	.919 -1.095	.864 -.851	.863 -.649	.856 -.567	.861 -.528
.162 .077	.980 -.457	.987 -.873	.926 -.825	.923 -.648	.926 -.565	.918 -.517
.209 -.130	1.074 -.490		.975 -.781	.977 -.614	.977 -.565	.972 -.519
.247 -.739	1.122 -.548					
.276 -.320			LOWER SURFACE			
.324 -.430	-.658 .146	-.022 .475	.024 .629	.025 .570	.019 .543	.020 .513
.361 -.412	-.615 .217	.038 .515	.075 .508	.074 .419	.066 .365	.221 .095
.396 -.345	-.572 .253	.101 .457	.137 .398	.130 .325	.136 .267	.295 .037
.438 -.273	-.462 .238	.185 .380	.213 .315	.214 .244	.214 .187	.396 -.027
.487 -.170	-.172 .153	.289 .310	.297 .260	.298 .178	.292 .134	.497 -.125
.518 -.215	-.030 .139	.398 .242	.400 .160	.397 .113	.403 .066	.597 -.137
.556 -.272	.128 .187	.518 .190	.498 .104	.501 .043	.489 .031	.702 -.060
.574 -.330	.273 .073	.620 .162	.604 .045	.603 -.017	.594 -.054	.786 .007
.593 -.425	.418 .218	.737 .245	.705 .087	.703 .059	.700 .034	.864 .055
.670 -.069	.564 .229	.831 .291	.785 .187	.784 .166	.786 .122	.912 .045
.747 -.084	.710 .297	.914 .786	.859 .236	.868 .218	.919 .192	.985 -.308
.766 -.141	.957 .394	.986 .040	.922 .204	.923 .203	.967 -.007	
.785 -.278	.976 .376	1.012 -.566	.967 .002	.972 -.023		
.804 -.324	1.072 .266		1.000 -.790			
.823 -.323	1.110 .108					
.842 -.338						
.861 -.275						
.900 -.287						
.938 -.422						
CN=	1.3941	1.4938	1.1571	.8020	.6975	.5365
CM=	.2171	-.1709	-.1102	-.0931	-.0812	-.0500

TABLE III-42 CONFIGURATION 140 M = 0.95 Q = 739 $\alpha = -6.44^\circ$ $C_L = -0.6532$ $\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .458 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
UPPER SURFACE						
.019 .301	-.658 .006	-.021 .410	.023 .428	.025 .414	.022 .486	.018 .480
.057 .011	-.565 -.068	.035 .246	.068 .257	.079 .277	.075 .304	.077 .250
.076 -.129	-.452 -.151	.105 .169	.134 .178	.133 .187	.129 .222	.129 .173
.080 -.137	-.311 -.221	.178 .105	.209 .111	.214 .131	.201 .142	.209 .086
.085 -.083	-.023 -.084	.286 .064	.294 .073	.295 .096	.294 .090	.293 .019
.093 -.243	.133 .003	.396 .016	.404 .025	.407 .036	.397 .029	.396 -.055
.113 .030	.272 .045	.514 .018	.497 -.016	.502 -.011	.495 -.036	.494 -.146
.115 -.013	.416 .055	.618 -.012	.599 -.059	.601 -.084	.594 -.101	.590 -.225
.137 .124	.565 .065	.733 -.068	.700 -.118	.698 -.177	.693 -.203	.693 -.327
.138 .119	.713 .062	.835 -.115	.782 -.175	.780 -.284	.784 -.339	.777 -.439
.163 .129	.854 .033	.919 -.143	.864 -.255	.863 -.409	.856 -.471	.861 -.568
.162 .189	.980 .000	.987 -.058	.926 -.311	.923 -.528	.926 -.654	.918 -.704
.209 .039	1.074 -.047		.975 -.204	.977 -.703	.977 -.482	.972 -.332
.247 -.082	1.122 -.059					
.276 -.163			LOWER SURFACE			
.324 -.278	-.658 -.141	-.022 -.776	.024 -1.080	.025 -.956	.019 -.389	.020 -.334
.361 -.067	-.615 -.185	.038 -1.050	.075 -1.099	.074 -.922	.066 -.387	.221 -.314
.396 .011	-.572 -.231	.101 -.973	.137 -1.134	.130 -.935	.136 -.374	.295 -.338
.438 .076	-.462 -.303	.185 -.615	.213 -1.125	.214 -.855	.214 -.395	.396 -.318
.487 .154	-.172 -.374	.289 -.642	.297 -1.073	.298 -.802	.292 -.395	.497 -.305
.518 .115	-.030 -.381	.398 -.686	.400 -1.036	.397 -.731	.403 -.426	.597 -.307
.556 .094	.128 -.378	.518 -.726	.498 -.856	.501 -.664	.489 -.406	.702 -.285
.574 .066	.273 -.032	.620 -.773	.604 -.634	.603 -.661	.594 -.427	.786 -.298
.593 .034	.418 -.298	.737 -.304	.705 -.416	.703 -.636	.700 -.408	.864 -.299
.670 .015	.564 -.388	.831 -.235	.785 -.307	.784 -.617	.786 -.405	.912 -.293
.747 -.075	.710 -.400	.914 -.109	.859 -.228	.868 -.564	.919 -.377	.985 -.283
.766 -.135	.857 -.195	.986 .065	.922 -.200	.923 -.533	.967 -.380	
.785 -.313	.976 -.072	1.012 .066	.967 -.171	.972 -.492		
.804 -.346	1.072 -.011		1.000 -.149			
.823 -.249	1.110 -.035					
.842 -.142						
.861 -.049						
.900 .004						
.938 .074						
CN=	-.4706	-.6280	-.7246	-.6464	-.3207	-.1584
CM=	-.0401	-.0355	-.0424	-.0189	-.0332	-.0570

~~CONFIDENTIAL~~

TABLE III-43 CONFIGURATION 140 M = 0.95 Q = 739 $\alpha = -3.79^\circ$ $C_L = -0.4561$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .458	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
UPPER SURFACE						
.019 .250	-.658 -.025	-.021 .287	.023 .272	.025 .260	.022 .406	.018 .442
.057 -.030	-.565 -.120	.035 .103	.068 .090	.079 .127	.075 .177	.077 .183
.076 -.154	-.452 -.175	.105 .025	.134 .043	.133 .087	.129 .128	.129 .128
.080 -.154	-.311 -.286	.178 -.003	.209 -.008	.214 .044	.201 .060	.209 .065
.085 -.107	-.023 -.276	.286 -.045	.294 -.022	.295 .021	.294 .029	.293 .002
.093 -.243	.133 -.061	.396 -.095	.404 -.054	.407 -.036	.397 .001	.396 -.055
.113 .008	.272 -.024	.514 -.061	.497 -.083	.502 -.074	.495 -.056	.494 -.130
.115 -.016	.416 -.000	.618 -.086	.599 -.105	.601 -.127	.594 -.094	.590 -.196
.137 -.112	.565 .023	.733 -.141	.700 -.144	.698 -.199	.693 -.164	.693 -.291
.138 -.130	.713 .017	.835 -.174	.782 -.139	.780 -.296	.784 -.269	.777 -.404
.163 .103	.854 -.016	.919 -.137	.864 -.172	.863 -.273	.856 -.387	.861 -.512
.162 .174	.980 -.045	.987 -.020	.926 -.174	.923 -.141	.926 -.531	.918 -.649
.209 -.014	1.074 -.053		.975 -.101	.977 -.003	.977 -.468	.972 -.296
.247 -.119	1.122 -.031					
.276 -.214			LOWER SURFACE			
.324 -.338	-.658 -.072	-.022 -.485	.024 -.862	.025 -.978	.019 -.820	.020 -.342
.361 -.235	-.615 -.121	.038 -.654	.075 -.876	.074 -1.048	.066 -.818	.221 -.284
.396 -.029	-.572 -.140	.101 -.519	.137 -.937	.130 -1.056	.136 -.781	.295 -.269
.438 .038	-.462 -.205	.185 -.563	.213 -.898	.214 -.996	.214 -.697	.396 -.260
.487 .105	-.172 -.342	.289 -.540	.297 -.837	.298 -.976	.292 -.655	.497 -.266
.518 .089	-.030 -.410	.398 -.581	.400 -.829	.397 -.723	.403 -.593	.597 -.275
.556 .062	.128 -.422	.518 -.618	.498 -.834	.501 -.471	.489 -.551	.702 -.274
.574 .047	.273 -.067	.620 -.466	.604 -.132	.603 -.502	.594 -.522	.786 -.271
.593 .017	.418 -.273	.737 -.180	.705 -.077	.703 -.308	.700 -.522	.864 -.255
.670 .015	.564 -.318	.831 -.117	.785 -.145	.784 -.157	.786 -.489	.912 -.241
.747 -.066	.710 -.286	.914 .042	.859 -.147	.868 -.071	.919 -.382	.985 -.248
.766 -.123	.857 -.080	.986 .165	.922 -.110	.923 .007	.967 -.384	
.785 -.281	.976 .012	1.012 .103	.967 -.067	.972 .027		
.804 -.223	1.072 .049		1.000 -.005			
.823 -.232	1.110 .022					
.842 -.144						
.861 -.062						
.900 -.076						
.938 .067						
CN=	-.2656	-.3607	-.4480	-.5056	-.4940	-.1312
CM=	-.0132	-.0420	-.0545	-.0667	-.0268	-.0525

TABLE III-44 CONFIGURATION 140 M = 0.95 Q = 739 $\alpha = -1.92^\circ$ $C_L = -0.2554$ $\beta = 0^\circ$

STA .044	STA .133	STA .307	STA .458	STA .653	STA .804	STA .933
X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP	X/C CP
UPPER SURFACE						
.019 .230	-.658 -.050	-.021 .174	.023 .084	.025 .136	.022 .313	.018 .375
.057 -.056	-.565 -.158	.035 -.019	.068 -.062	.079 -.001	.075 .099	.077 .101
.076 -.185	-.452 -.223	.105 -.100	.134 -.092	.133 -.028	.129 .026	.129 .053
.080 -.179	-.311 -.340	.178 -.127	.209 -.103	.214 -.058	.201 .009	.209 -.011
.085 -.143	-.023 -.362	.286 -.149	.294 -.122	.295 -.064	.294 -.038	.293 -.050
.093 -.230	.133 -.150	.396 -.175	.404 -.134	.407 -.088	.397 -.049	.396 -.112
.113 -.000	.272 -.046	.514 -.134	.497 -.132	.502 -.113	.495 -.094	.494 -.160
.115 -.008	.416 -.034	.618 -.136	.599 -.147	.601 -.141	.594 -.132	.590 -.211
.137 .100	.565 -.031	.733 -.183	.700 -.193	.698 -.195	.693 -.212	.693 -.226
.138 .125	.713 -.030	.835 -.167	.782 -.180	.780 -.263	.784 -.293	.777 -.241
.163 .084	.854 -.053	.919 -.112	.864 -.203	.863 -.252	.856 -.323	.861 -.273
.162 .165	.980 -.069	.987 .007	.926 -.103	.923 -.171	.926 -.184	.918 -.291
.209 -.035	1.074 -.048		.975 .016	.977 -.026	.977 -.026	.972 -.246
.247 -.150	1.122 -.011					
.276 -.244			LOWER SURFACE			
.324 -.366	-.658 -.039	-.022 -.154	.024 -.574	.025 -.796	.019 -.873	.020 -.731
.361 -.294	-.615 -.076	.038 -.358	.075 -.666	.074 -.920	.066 -1.017	.221 -.488
.396 -.121	-.572 -.104	.101 -.391	.137 -.775	.130 -.906	.136 -.947	.295 -.435
.438 .010	-.462 -.198	.185 -.450	.213 -.724	.214 -.870	.214 -.904	.396 -.341
.487 -.074	-.172 -.306	.289 -.454	.297 -.662	.298 -.823	.292 -.765	.497 -.294
.518 .072	-.030 -.382	.398 -.483	.400 -.652	.397 -.773	.403 -.526	.597 -.226
.556 .043	.128 -.385	.518 -.525	.498 -.450	.501 -.206	.489 -.358	.702 -.200
.574 .048	.273 -.065	.620 -.256	.604 -.073	.603 -.083	.594 -.250	.786 -.172
.593 .026	.418 -.220	.737 -.043	.705 .018	.703 .034	.700 -.037	.864 -.142
.670 .026	.564 -.279	.831 .040	.785 .011	.784 .122	.786 .034	.912 -.078
.747 -.066	.710 -.192	.914 .107	.859 .022	.868 .170	.919 .121	.985 -.126
.766 -.116	.857 -.015	.986 .157	.922 .069	.923 .186	.967 .108	
.785 -.285	.976 .082	1.012 .111	.967 .104	.972 .125		
.804 -.197	1.072 .096		1.000 .089			
.823 -.218	1.110 .046					
.842 -.148						
.861 -.068						
.900 -.043						
.938 .056						
CN=	-.1019	-.1524	-.2251	-.2587	-.3171	-.2040
CM=	.0019	-.0424	-.0640	-.1037	-.1019	-.0535

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE III-45		CONFIGURATION 140		M = 0.95		Q = 739		$\alpha = 0.08^\circ$		$C_L = 0.0088$		$\beta = 0^\circ$	
STA .044		STA .133		STA .307		STA .458		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.199	-.658	-.085	-.021	-.047	.023	-.220	.025	-.098	.022	-.119	.018	-.210
.057	-.069	-.565	-.189	.035	-.236	.068	-.346	.079	-.167	.075	-.096	.077	-.077
.076	-.216	-.452	-.270	.105	-.239	.134	-.331	.133	-.202	.129	-.112	.129	-.100
.080	-.169	-.311	-.388	.178	-.246	.209	-.333	.214	-.182	.201	-.141	.209	-.131
.085	-.167	-.023	-.408	.286	-.256	.294	-.261	.295	-.154	.294	-.149	.293	-.182
.093	-.240	.133	-.329	.396	-.293	.404	-.203	.407	-.154	.397	-.151	.396	-.202
.113	-.007	.272	-.108	.514	-.227	.497	-.211	.502	-.189	.495	-.180	.494	-.233
.115	-.020	.416	-.066	.618	-.198	.599	-.212	.601	-.222	.594	-.209	.590	-.288
.137	.082	.565	-.075	.733	-.212	.700	-.235	.698	-.283	.693	-.266	.693	-.289
.138	.126	.713	-.087	.835	-.177	.782	-.233	.780	-.333	.784	-.340	.777	-.144
.163	.059	.854	-.106	.919	-.095	.864	-.242	.863	-.292	.856	-.348	.861	-.140
.162	.152	.980	-.104	.987	.025	.926	-.135	.923	-.169	.926	-.151	.918	-.098
.209	-.065	1.074	-.046			.975	.003	.977	-.027	.977	-.009	.972	.036
.247	-.170	1.122	.004										
LOWER SURFACE													
.276	-.264			-.022	.125	.024	-.193	.025	-.470	.019	-.543	.020	-.564
.324	-.382	-.658	-.000	.038	-.169	.075	-.443	.074	-.637	.066	-.788	.221	-.605
.361	-.337	-.615	-.025	.101	-.268	.137	-.513	.130	-.453	.136	-.683	.295	-.371
.396	-.253	-.572	-.041	.185	-.327	.213	-.455	.214	-.484	.214	-.365	.396	-.282
.438	-.043	-.462	-.147	.289	-.336	.297	-.469	.298	-.253	.292	-.252	.497	-.098
.487	.032	-.172	-.276	.398	-.381	.400	-.204	.397	-.247	.403	-.254	.597	-.011
.518	.025	-.030	-.349	.518	-.323	.498	-.180	.501	-.208	.489	-.197	.702	.103
.556	.029	.128	-.343	.620	-.108	.604	-.121	.603	-.137	.594	-.136	.786	.171
.574	.038	.418	-.206	.737	.071	.705	.054	.703	.049	.700	.022	.864	.199
.593	.027	.564	-.204	.831	.132	.785	.157	.784	.134	.786	.101	.912	.208
.670	.019	.710	-.075	.914	.189	.859	.196	.868	.190	.919	.162	.985	.119
.747	-.071	.857	.065	.986	.151	.922	.209	.923	.205	.967	.117		
.766	-.127	.976	.152	1.012	.078	.967	.161	.972	.125				
.785	-.784												
.804	-.234	1.072	.142			1.000	.064						
.823	-.230	1.110	.092										
.842	-.160												
.861	-.092												
.900	-.060												
.938	.045												
CN=		.0892		.0708		.0816		.0316		-.0222		-.0179	
CM=		.0199		-.0408		-.0633		-.0830		-.0907		-.0836	

TABLE III-46		CONFIGURATION 140		M = 0.95		Q = 739		$\alpha = 2.03^\circ$		$C_L = 0.2600$		$\beta = 0^\circ$	
STA .044		STA .133		STA .307		STA .458		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.163	-.658	-.144	-.021	-.553	.023	-.558	.025	-.538	.022	-.340	.018	-.121
.057	-.108	-.565	-.265	.035	-.666	.068	-.654	.079	-.643	.075	-.520	.077	-.382
.076	-.248	-.452	-.329	.105	-.314	.134	-.547	.133	-.586	.129	-.457	.129	-.345
.080	-.180	-.311	-.443	.178	-.332	.209	-.490	.214	-.485	.201	-.286	.209	-.304
.085	-.221	-.023	-.461	.286	-.339	.294	-.468	.295	-.431	.294	-.217	.293	-.304
.093	-.264	.133	-.380	.396	-.389	.404	-.399	.407	-.237	.397	-.236	.396	-.329
.113	-.001	.272	-.240	.514	-.348	.497	-.370	.502	-.220	.495	-.247	.494	-.345
.115	-.016	.416	-.077	.618	-.314	.599	-.364	.601	-.162	.594	-.322	.590	-.367
.137	.078	.565	-.092	.733	-.317	.700	-.332	.698	-.289	.693	-.395	.693	-.251
.138	.131	.713	-.131	.835	-.235	.782	-.216	.780	-.338	.784	-.456	.777	-.145
.163	.045	.854	-.168	.919	-.081	.864	-.195	.863	-.397	.856	-.305	.861	-.160
.162	.143	.980	-.190	.987	.015	.926	-.086	.923	-.178	.926	-.122	.918	-.128
.209	-.084	1.074	-.129			.975	.003	.977	-.043	.977	-.038	.972	.014
.247	-.195	1.122	-.046										
LOWER SURFACE													
.276	-.286			-.022	.276	.024	.084	.025	-.051	.019	-.029	.020	-.054
.324	-.415	-.658	.023	.038	-.007	.075	-.170	.074	-.235	.066	-.270	.221	-.282
.361	-.366	-.615	.003	.101	-.138	.137	-.237	.130	-.240	.136	-.240	.295	-.306
.396	-.288	-.572	-.020	.185	-.176	.213	-.239	.214	-.231	.214	-.200	.396	-.233
.438	-.057	-.462	-.106	.289	-.192	.297	-.221	.298	-.211	.292	-.181	.497	-.109
.487	.011	-.172	-.238	.398	-.201	.400	-.218	.397	-.142	.403	-.186	.597	-.035
.518	-.018	-.030	-.296	.518	-.187	.498	-.168	.501	-.129	.489	-.126	.702	.113
.556	-.075	.128	-.245	.620	-.085	.604	-.111	.603	-.095	.594	-.122	.786	.194
.574	.001	.418	-.166	.737	.096	.705	.054	.703	.072	.700	.048	.864	.240
.593	.019	.564	-.111	.831	.173	.785	.166	.784	.181	.786	.163	.912	.240
.670	.025	.710	.002	.914	.216	.859	.217	.868	.239	.919	.246	.985	.104
.747	-.057	.857	.133	.986	.139	.922	.240	.923	.239	.967	.141		
.766	-.120	.976	.184	1.012	.042	.967	.157	.977	.133				
.785	-.269												
.804	-.204	1.072	.153			1.000	.041						
.823	-.727	1.110	.071										
.842	-.173												
.861	-.112												
.900	-.081												
.938	.030												
CN=		.2886		.2995		.3074		.2894		.2454		.1986	
CM=		.0400		-.0294		-.0394		-.0520		-.0665		-.0558	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE III-47		CONFIGURATION 140		M = 0.95		Q = 739		$\alpha = 3.95^\circ$		$C_L = 0.5034$		$\beta = 0^\circ$	
STA .044	CP	STA .133	CP	STA .307	CP	STA .458	CP	STA .653	CP	STA .804	CP	STA .933	CP
X/C		X/C		X/C		X/C		X/C		X/C		X/C	
UPPER SURFACE													
.019	.140	-.658	-.234	-.021	-.868	.023	-.807	.025	-.812	.022	-.650	.018	-.614
.057	-.116	-.565	-.303	.035	-.929	.068	-.934	.079	-.869	.075	-.848	.077	-.817
.076	-.242	-.452	-.360	.105	-.876	.134	-.849	.133	-.844	.129	-.825	.129	-.847
.080	-.179	-.311	-.483	.178	-.619	.209	-.814	.214	-.826	.201	-.818	.209	-.786
.085	-.216	-.023	-.501	.286	-.380	.294	-.768	.295	-.740	.294	-.776	.293	-.756
.093	-.263	.133	-.425	.396	-.375	.404	-.620	.407	-.712	.397	-.760	.396	-.704
.113	-.011	.272	-.344	.514	-.378	.497	-.420	.502	-.632	.495	-.699	.494	-.672
.115	-.028	.416	-.210	.618	-.368	.599	-.425	.601	-.424	.594	-.514	.590	-.177
.137	.059	.565	-.128	.733	-.382	.700	-.479	.698	-.491	.693	-.237	.693	-.041
.138	.128	.713	-.159	.835	-.341	.782	-.478	.780	-.334	.784	-.220	.777	-.076
.163	.024	.854	-.192	.919	-.132	.864	-.200	.863	-.181	.856	-.229	.861	-.131
.167	.133	.980	-.247	.987	-.059	.926	-.096	.923	-.105	.926	-.125	.918	-.120
.209	-.102	1.074	-.273			.975	-.053	.977	-.010	.977	.001	.972	-.000
.247	-.214	1.122	-.112										
LOWER SURFACE													
.276	-.305			-.022	.334	.024	.252	.025	.163	.019	.193	.020	.224
.324	-.431	-.658	.058	.038	.097	.075	-.003	.074	-.040	.066	-.088	.221	-.155
.361	-.390	-.615	.056	.101	-.013	.137	-.085	.130	-.104	.136	-.102	.295	-.171
.396	-.336	-.572	.035	.185	-.063	.213	-.126	.214	-.123	.214	-.101	.396	-.142
.438	-.193	-.462	.052	.289	-.087	.297	-.112	.298	-.123	.292	-.096	.497	-.115
.487	.000	-.172	-.192	.398	-.133	.400	-.154	.397	-.104	.403	-.111	.597	-.036
.518	-.028	-.030	-.246	.518	-.124	.498	-.144	.501	-.107	.489	-.067	.702	.104
.556	-.112	.128	-.154	.620	-.080	.604	-.103	.603	-.080	.594	-.065	.786	.192
.574	-.114	.273	.008	.737	-.086	.705	-.052	.703	-.077	.700	.085	.864	.228
.593	-.052	.418	-.117	.831	.183	.785	.166	.784	.194	.786	.185	.912	.241
.670	.013	.564	-.065	.914	.211	.859	.222	.868	.250	.919	.252	.985	.121
.747	-.062	.710	.049	.986	.082	.922	.232	.923	.267	.967	.170		
.766	-.116	.857	.174	1.012	-.038	.967	.130	.972	.157				
.785	-.263	.976	.211			1.000	-.024						
.804	-.197	1.072	.153										
.823	-.215	1.110	.052										
.842	-.181												
.861	-.119												
.900	-.111												
.938	.017												
CN=		.4764		.4854		.5381		.5620		.5482		.4468	
CM=		.0672		-.0102		-.0317		-.0385		-.0348		-.0081	

TABLE III-48		CONFIGURATION 140		M = 0.95		Q = 739		$\alpha = 5.96^\circ$		$C_L = 0.7211$		$\beta = 0^\circ$	
STA .044	CP	STA .133	CP	STA .307	CP	STA .458	CP	STA .653	CP	STA .804	CP	STA .933	CP
X/C		X/C		X/C		X/C		X/C		X/C		X/C	
UPPER SURFACE													
.019	.142	-.658	-.279	-.021	-1.023	.023	-.977	.025	-.951	.022	-.863	.018	-.808
.057	-.126	-.565	-.363	.035	-1.140	.068	-1.061	.079	-.984	.075	-.980	.077	-.954
.076	-.249	-.452	-.399	.105	-1.106	.134	-1.033	.133	-.976	.129	-.942	.129	-.953
.080	-.182	-.311	-.535	.178	-1.058	.209	-.981	.214	-.976	.201	-.949	.209	-.925
.085	-.248	-.023	-.542	.286	-.767	.294	-.961	.295	-.919	.294	-.914	.293	-.895
.093	-.284	.133	-.437	.396	-.554	.404	-.927	.407	-.901	.397	-.889	.396	-.883
.113	-.008	.272	-.370	.514	-.399	.497	-.774	.502	-.890	.495	-.842	.494	-.831
.115	-.028	.416	-.275	.618	-.390	.599	-.565	.601	-.885	.594	-.741	.590	-.742
.137	.056	.565	-.201	.733	-.418	.700	-.515	.698	-.871	.693	-.557	.693	-.361
.138	.125	.713	-.203	.835	-.365	.782	-.423	.780	-.459	.784	-.413	.777	-.215
.163	.015	.854	-.249	.919	-.189	.864	-.280	.863	-.384	.856	-.201	.861	-.117
.162	.110	.980	-.297	.987	-.104	.926	-.186	.923	-.340	.926	-.181	.918	-.069
.209	-.120	1.074	-.310			.975	-.159	.977	-.269	.977	-.164	.972	-.019
.247	-.227	1.122	-.173										
LOWER SURFACE													
.276	-.313			-.022	.404	.024	.370	.025	.306	.019	.309	.020	.314
.324	-.438	-.658	.083	.038	.203	.075	.136	.074	.094	.066	.035	.221	-.109
.361	-.405	-.615	.088	.101	.116	.137	.050	.130	.010	.136	-.010	.295	-.146
.396	-.337	-.572	.078	.185	.043	.213	-.018	.214	-.038	.214	-.039	.396	-.175
.438	-.203	-.462	-.010	.289	.009	.297	-.032	.298	-.060	.292	-.059	.497	-.172
.487	-.043	-.172	-.145	.398	-.038	.400	-.082	.397	-.076	.403	-.075	.597	-.130
.518	-.067	-.030	-.159	.518	-.066	.498	-.096	.501	-.089	.489	-.098	.702	-.002
.556	-.161	.128	-.081	.620	-.039	.604	-.088	.603	-.088	.594	-.118	.786	.130
.574	-.212	.273	.039	.737	.102	.705	.047	.703	.059	.700	.022	.864	.171
.593	-.123	.418	-.061	.831	.188	.785	.164	.784	.167	.786	.114	.912	.191
.670	.015	.564	-.016	.914	.222	.859	.215	.868	.228	.919	.186	.985	.075
.747	-.047	.710	.084	.986	.068	.922	.224	.923	.230	.967	.036		
.766	-.111	.857	.201	1.012	-.091	.967	.079	.972	.081				
.785	-.252	.976	.230			1.000	-.124						
.804	-.194	1.072	.161										
.823	-.204	1.110	.046										
.842	-.179												
.861	-.129												
.900	-.120												
.938	.009												
CN=		.6480		.7062		.7413		.8166		.6970		.5980	
CM=		.0900		.0058		-.0315		-.0728		-.0356		-.0120	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE III-49

CONFIGURATION 140

M = 0.95

Q = 739

$\alpha = 7.98^\circ$

$C_L = 0.8614$

$\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .458 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
UPPER SURFACE						
.019 .117	-.658 -.378	-.021 -1.155	.023 -1.094	.025 -1.086	.022 -1.004	.018 -.934
.057 -.147	-.565 -.450	.035 -1.756	.068 -1.179	.079 -1.112	.075 -1.107	.077 -.972
.076 -.257	-.452 -.452	.105 -1.198	.134 -1.134	.133 -1.105	.129 -1.059	.129 -.992
.080 -.183	-.311 -.573	.178 -1.189	.209 -1.111	.214 -1.085	.201 -1.041	.209 -.932
.085 -.270	-.073 -.584	.286 -.990	.294 -1.069	.295 -1.040	.294 -1.006	.293 -.711
.093 -.301	.133 -.488	.396 -.839	.404 -1.020	.407 -1.014	.397 -.914	.396 -.861
.113 -.015	.272 -.415	.514 -.697	.497 -.892	.502 -.954	.495 -.847	.494 -.638
.115 -.041	.416 -.350	.618 -.620	.599 -.679	.601 -.805	.594 -.620	.590 -.492
.137 -.044	.565 -.280	.733 -.479	.700 -.541	.698 -.612	.693 -.487	.693 -.428
.138 .124	.713 -.268	.835 -.455	.782 -.438	.780 -.502	.784 -.450	.777 -.379
.163 .005	.854 -.299	.919 -.316	.864 -.360	.863 -.428	.856 -.414	.861 -.339
.162 .097	.980 -.347	.987 -.170	.926 -.319	.923 -.416	.926 -.392	.918 -.299
.209 -.143	1.074 -.382		.975 -.281	.977 -.373	.977 -.367	.972 -.306
.247 -.250	1.122 -.245					
.276 -.332			LOWER SURFACE			
.324 -.455	-.658 .091	-.022 .449	.024 .465	.025 .407	.019 .378	.020 .380
.361 -.407	-.615 .114	.038 .294	.075 .258	.074 .198	.066 .116	.221 -.081
.396 -.334	-.572 .114	.101 .213	.137 .139	.130 .096	.136 .029	.295 -.138
.438 -.234	-.462 .045	.185 .132	.213 .077	.214 .037	.214 .004	.396 -.176
.487 -.085	-.172 -.085	.289 .093	.297 .037	.298 -.009	.292 -.017	.497 -.234
.518 -.099	-.030 -.084	.398 .040	.400 -.017	.397 -.062	.403 -.090	.597 -.203
.556 -.199	.128 -.039	.518 .002	.498 -.055	.501 -.104	.489 -.110	.702 -.061
.574 -.263	.273 .061	.620 .006	.604 -.066	.603 -.134	.594 -.136	.786 .029
.593 -.235	.418 .005	.737 .126	.705 .031	.703 -.010	.700 -.013	.864 .086
.670 -.033	.564 .045	.831 .208	.785 .142	.784 .115	.786 .087	.912 .089
.747 -.058	.710 .124	.914 .224	.859 .202	.868 .185	.919 .155	.985 -.190
.766 -.116	.857 .226	.986 .056	.922 .188	.923 .174	.967 -.019	
.785 -.239	.976 .241	1.012 -.125	.967 .010	.972 -.046		
.804 -.188	1.072 .167		1.000 -.301			
.823 -.201	1.110 .037					
.842 -.180						
.861 -.138						
.900 -.141						
.938 .002						
CN=	.8360	.9390	.8715	.8623	.7612	.5670
CM=	.1194	-.0109	-.0320	-.0470	-.0354	-.0091

TABLE III-50

CONFIGURATION 140

M = 0.95

Q = 739

$\alpha = 9.99^\circ$

$C_L = 0.9353$

$\beta = 0^\circ$

STA .044 X/C CP	STA .133 X/C CP	STA .307 X/C CP	STA .458 X/C CP	STA .653 X/C CP	STA .804 X/C CP	STA .933 X/C CP
UPPER SURFACE						
.019 .094	-.658 -.501	-.021 -1.241	.023 -1.205	.025 -.864	.022 -.480	.018 -.438
.057 -.161	-.565 -.581	.035 -1.758	.068 -1.174	.079 -.917	.075 -.479	.077 -.417
.076 -.273	-.452 -.537	.105 -1.249	.134 -1.177	.133 -1.021	.129 -.549	.129 -.413
.080 -.194	-.311 -.626	.178 -1.148	.209 -1.174	.214 -.813	.201 -.611	.209 -.389
.085 -.261	-.073 -.600	.286 -1.088	.294 -1.044	.295 -.747	.294 -.457	.293 -.395
.093 -.248	.133 -.482	.396 -1.068	.404 -.870	.407 -.704	.397 -.456	.396 -.377
.113 .002	.272 -.420	.514 -1.027	.497 -.807	.502 -.684	.495 -.510	.494 -.357
.115 -.038	.416 -.385	.618 -.990	.599 -.703	.601 -.641	.594 -.454	.590 -.348
.137 .041	.565 -.334	.733 -.886	.700 -.665	.698 -.650	.693 -.475	.693 -.330
.138 .120	.713 -.307	.835 -.645	.782 -.624	.780 -.595	.784 -.464	.777 -.314
.163 .002	.854 -.347	.919 -.379	.864 -.586	.863 -.553	.856 -.487	.861 -.321
.162 .083	.980 -.395	.987 -.216	.926 -.575	.923 -.555	.926 -.429	.918 -.324
.209 -.153	1.074 -.445		.975 -.552	.977 -.530	.977 -.413	.972 -.311
.247 -.254	1.122 -.296					
.276 -.333			LOWER SURFACE			
.324 -.454	-.658 .095	-.022 .462	.024 .535	.025 .473	.019 .469	.020 .430
.361 -.410	-.615 .140	.038 .388	.075 .336	.074 .289	.066 .225	.221 -.048
.396 -.327	-.572 .147	.101 .279	.137 .226	.130 .191	.136 .130	.295 -.097
.438 -.237	-.462 .097	.185 .210	.213 .171	.214 .091	.214 .055	.396 -.139
.487 -.121	-.172 .004	.289 .153	.297 .126	.298 .049	.292 .017	.497 -.219
.518 -.158	-.030 .005	.398 .101	.400 .041	.397 -.005	.403 -.047	.597 -.201
.556 -.253	.128 .049	.518 .050	.498 .006	.501 -.053	.489 -.095	.702 -.086
.574 -.308	.273 .081	.620 .039	.604 -.026	.603 -.109	.594 -.154	.786 .022
.593 -.312	.418 .071	.737 .155	.705 .034	.703 -.017	.700 -.037	.864 .077
.670 -.047	.564 .111	.831 .230	.785 .133	.784 .100	.786 .061	.912 .068
.747 -.087	.710 .181	.914 .247	.859 .191	.868 .182	.919 .145	.985 -.217
.766 -.140	.857 .281	.986 .068	.922 .163	.923 .164	.967 -.045	
.785 -.261	.976 .299	1.012 -.097	.967 -.051	.972 -.070		
.804 -.211	1.072 .196		1.000 -.606			
.823 -.216	1.110 .051					
.842 -.194						
.861 -.157						
.900 -.148						
.938 -.006						
CN=	1.0325	1.1748	.9710	.7796	.5154	.3083
CM=	.1567	-.0574	-.0569	-.0631	-.0538	-.0223

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

TABLE III-51

CONFIGURATION 140

M = 0.95

Q = 739

$\alpha = 11.99^\circ$

$C_L = 1.0687$

$\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .458		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.067	-.658	-.585	-.021	-1.283	.023	-1.143	.025	-.636	.022	-.490	.018	-.449
.057	-.169	-.565	-.714	.035	-1.239	.068	-1.130	.079	-.614	.075	-.485	.077	-.462
.076	-.275	-.452	-.591	.105	-1.254	.134	-1.125	.133	-.572	.129	-.488	.129	-.454
.080	-.188	-.311	-.673	.178	-1.205	.209	-1.143	.214	-.506	.201	-.493	.209	-.475
.085	-.252	-.023	-.614	.286	-1.183	.294	-1.101	.295	-.552	.294	-.486	.293	-.454
.093	-.276	.133	-.505	.396	-1.197	.404	-1.003	.407	-.518	.397	-.484	.396	-.445
.113	-.008	.272	-.447	.514	-1.223	.497	-.915	.502	-.524	.495	-.483	.494	-.450
.115	-.036	.416	-.438	.618	-1.199	.599	-.873	.601	-.532	.594	-.469	.590	-.424
.137	.046	.565	-.403	.733	-1.221	.700	-.849	.698	-.555	.693	-.489	.693	-.432
.138	.116	.713	-.386	.835	-1.108	.782	-.815	.780	-.571	.784	-.468	.777	-.425
.163	-.005	.854	-.406	.919	-.763	.864	-.786	.863	-.579	.856	-.475	.861	-.413
.167	.062	.980	-.442	.987	-.280	.926	-.728	.923	-.556	.926	-.473	.918	-.418
.209	-.169	1.074	-.500			.975	-.673	.977	-.551	.977	-.475	.972	-.395
.247	-.268	1.122	-.427										
.276	-.347					LOWER SURFACE							
.324	-.452	-.658	-.107	-.022	.459	.024	.575	.025	.527	.019	.504	.020	.452
.361	-.412	-.615	-.168	.038	.438	.075	.408	.074	.365	.066	.289	.221	.019
.396	-.329	-.577	.195	.101	.370	.137	.298	.130	.262	.136	.198	.295	-.046
.438	-.254	-.462	.166	.185	.295	.213	.222	.214	.170	.214	.112	.396	-.115
.487	-.143	-.172	.081	.289	.239	.297	.168	.298	.108	.292	.069	.497	-.197
.518	-.201	-.030	.078	.398	.163	.400	.093	.397	.047	.403	-.007	.597	-.199
.556	-.306	.128	.116	.518	.108	.498	.035	.501	-.019	.489	-.042	.702	-.091
.574	-.353	.273	.104	.620	.088	.604	-.010	.603	-.067	.594	-.107	.786	-.003
.593	-.421	.418	.179	.737	.187	.705	.041	.703	.004	.700	.018	.864	.045
.670	-.036	.564	.155	.831	.244	.785	.136	.784	.121	.786	.065	.912	.037
.747	-.134	.710	.227	.914	.257	.859	.194	.868	.185	.919	.153	.985	-.275
.766	-.188	.857	.315	.986	.045	.922	.172	.923	.171	.967	-.049		
.785	-.325	.976	.318	1.012	-.142	.967	-.049	.972	-.064				
.804	-.345	1.072	.210			1.000	-.657						
.823	-.245	1.110	.059										
.842	-.212												
.861	-.177												
.900	-.205												
.938	-.053												
CN=		1.2265		1.4131		1.0987		.6657		.5497		.3967	
CM=		.1897		-.1195		-.0929		-.0736		-.0591		-.0327	

TABLE III-52

CONFIGURATION 140

M = 0.95

Q = 739

$\alpha = 14.06^\circ$

$C_L = 1.1950$

$\beta = 0^\circ$

STA .044		STA .133		STA .307		STA .458		STA .653		STA .804		STA .933	
X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP	X/C	CP
UPPER SURFACE													
.019	.049	-.658	-.746	-.021	-1.202	.023	-1.129	.025	-.501	.022	-.529	.018	-.467
.057	-.178	-.565	-.890	.035	-1.199	.068	-1.134	.079	-.518	.075	-.526	.077	-.461
.076	-.285	-.452	-.666	.105	-1.186	.134	-1.115	.133	-.518	.129	-.517	.129	-.478
.080	-.199	-.311	-.717	.178	-1.193	.209	-1.109	.214	-.518	.201	-.517	.209	-.467
.085	-.232	-.023	-.639	.286	-1.199	.294	-1.033	.295	-.547	.294	-.510	.293	-.470
.093	-.288	.133	-.499	.396	-1.232	.404	-.960	.407	-.561	.397	-.515	.396	-.469
.113	.010	.272	-.446	.514	-1.250	.497	-.915	.502	-.563	.495	-.513	.494	-.466
.115	-.046	.416	-.422	.618	-1.225	.599	-.852	.601	-.570	.594	-.516	.590	-.461
.137	.057	.565	-.440	.733	-1.386	.700	-.835	.698	-.563	.693	-.515	.693	-.442
.138	.114	.713	-.464	.835	-1.284	.782	-.799	.780	-.560	.784	-.501	.777	-.462
.163	-.003	.854	-.492	.919	-1.045	.864	-.760	.863	-.581	.856	-.520	.861	-.453
.162	.029	.980	-.501	.987	-.833	.926	-.693	.923	-.582	.926	-.512	.918	-.446
.209	-.178	1.074	-.551			.975	-.649	.977	-.577	.977	-.502	.972	-.415
.247	-.282	1.122	-.580										
.276	-.357					LOWER SURFACE							
.324	-.465	-.658	-.114	-.022	.448	.024	.599	.025	.558	.019	.529	.020	.490
.361	-.420	-.615	.193	.038	.499	.075	.481	.074	.415	.066	.349	.221	.065
.396	-.331	-.572	.230	.101	.424	.137	.364	.130	.305	.136	.259	.295	.011
.438	-.277	-.462	.217	.185	.357	.213	.291	.214	.215	.214	.172	.396	-.075
.487	-.188	-.172	.136	.289	.295	.297	.234	.298	.155	.292	.127	.497	-.153
.518	-.250	-.030	.126	.398	.217	.400	.146	.397	.079	.403	.039	.597	-.158
.556	-.335	.128	.164	.518	.160	.498	.079	.501	.011	.489	.002	.702	-.074
.574	-.390	.273	.123	.620	.133	.604	.013	.603	-.047	.594	-.073	.786	-.006
.593	-.499	.418	.200	.737	.213	.705	.062	.703	.032	.700	.007	.864	.045
.670	-.026	.564	.204	.831	.263	.785	.153	.784	.141	.786	.085	.912	.032
.747	-.167	.710	.270	.914	.260	.859	.212	.868	.197	.919	.161	.985	-.292
.766	-.230	.857	.358	.986	.004	.922	.172	.923	.175	.967	-.041		
.785	-.387	.976	.346	1.012	-.435	.967	-.040	.972	-.062				
.804	-.413	1.072	.229			1.000	-.684						
.823	-.359	1.110	.067										
.842	-.205												
.861	-.184												
.900	-.243												
.938	-.124												
CN=		1.4031		1.5387		1.1126		.6939		.6202		.4489	
CM=		.2209		-.1719		-.0896		-.0821		-.0655		-.0370	

~~CONFIDENTIAL~~

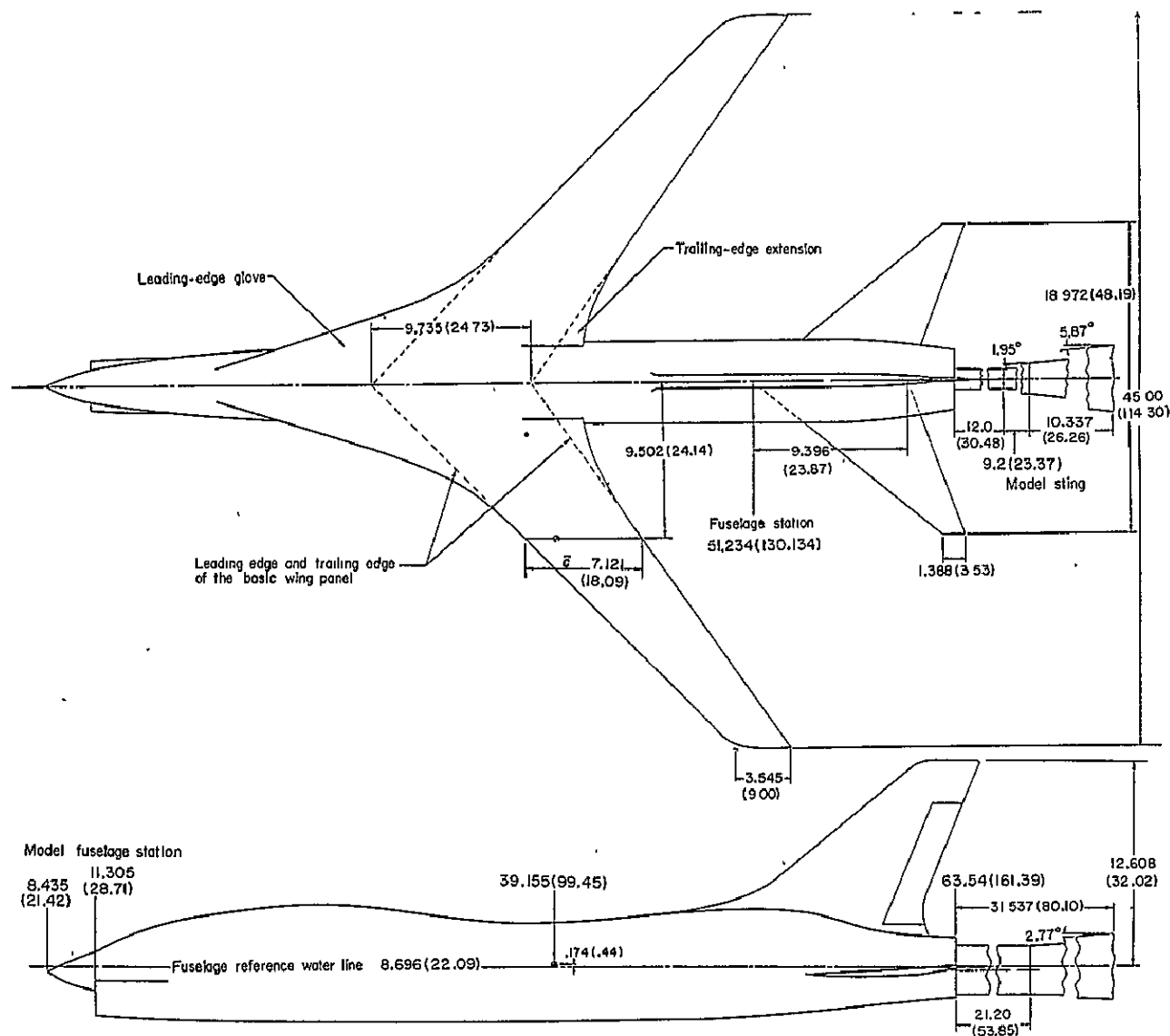
~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

CONFIDENTIAL

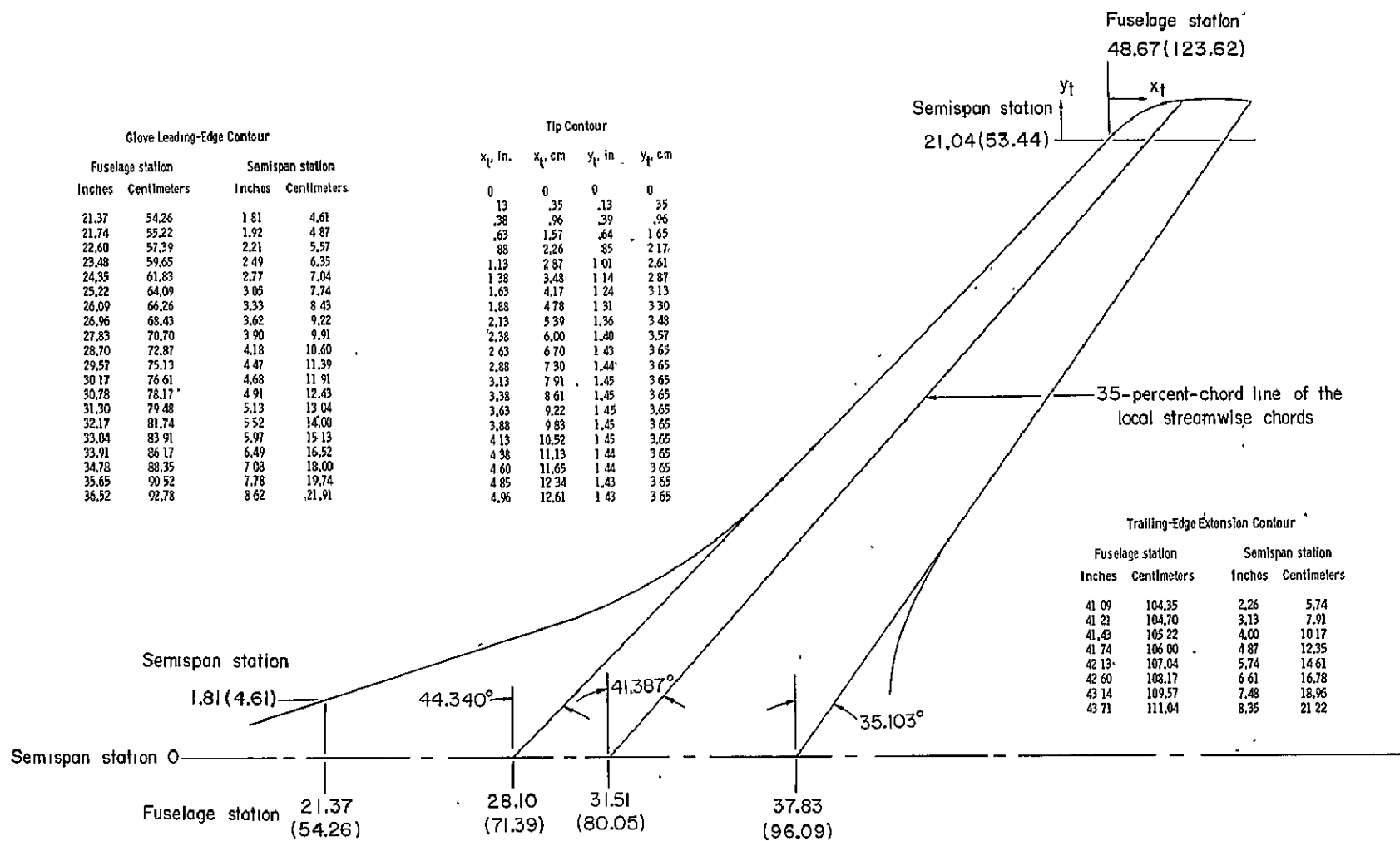
CONFIDENTIAL

PRECEDING PAGE BLANK NOT FILLED



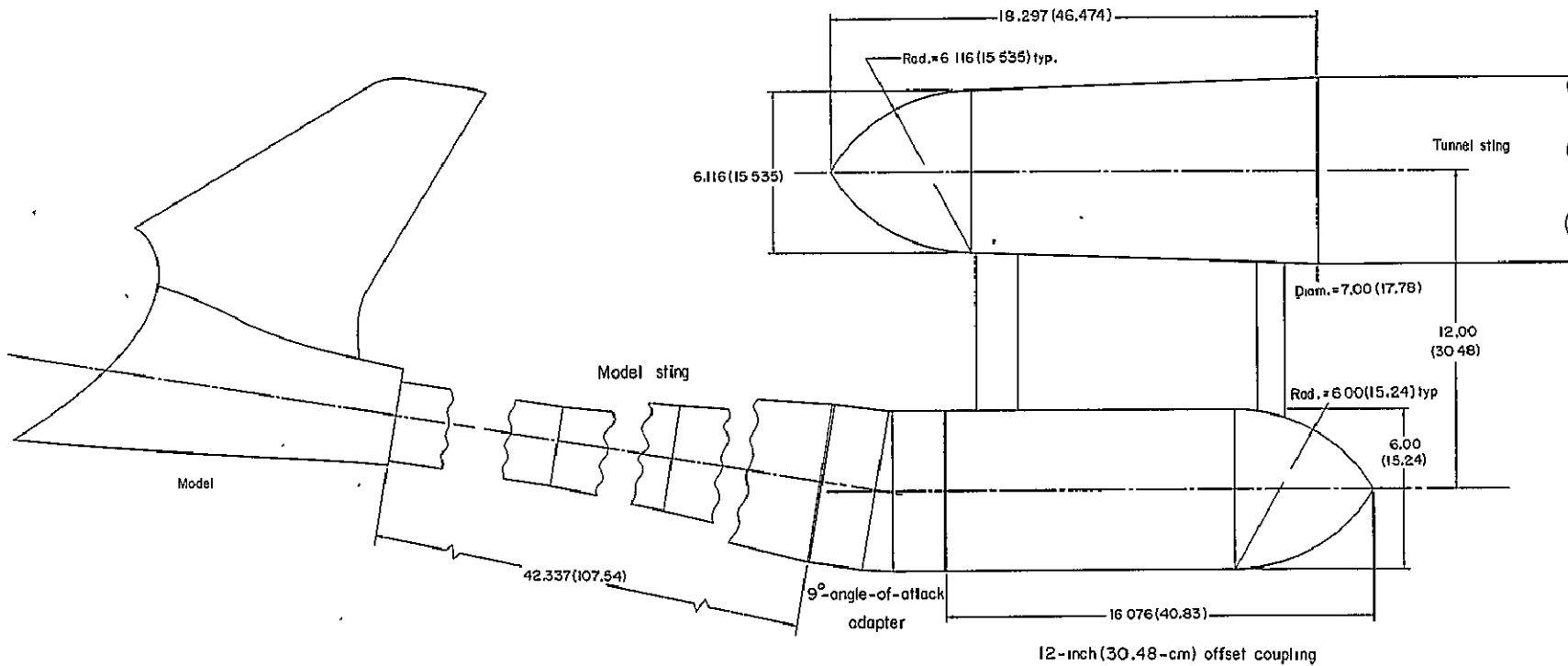
(a) General arrangement of the 0.087-scale model.

Figure 1.- Details of model and support sting. All linear dimensions are in inches (centimeters) unless otherwise noted.



(b) Wing semispan planform layout with model dimensions.

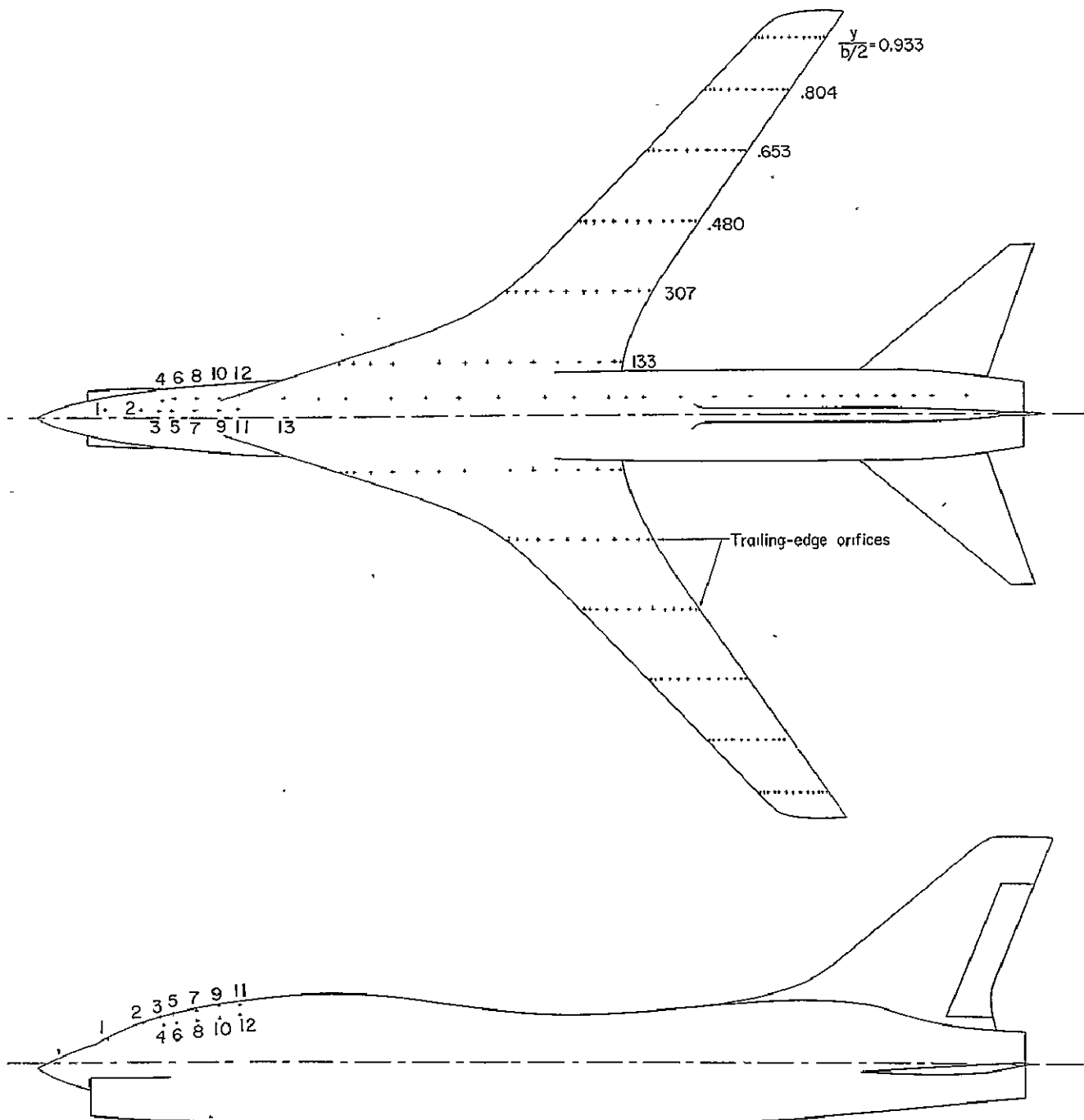
Figure 1.- Continued.



(c) Offset sting arrangement.

Figure 1.- Continued.

ORIGINAL PAGE IS
OF POOR QUALITY



(d) Location of pressure orifices. (Orifices are on upper surface of right wing panel and on lower surface of left wing panel.)

Figure 1. - Continued.

~~CONFIDENTIAL~~

Wing orifice location, x/c , at semispan station, $y/b/2$, of -					
0.133 ($c = 8.903$) (22.614)	0.307 ($c = 7.828$) (19.883)	0.480 ($c = 6.756$) (17.160)	0.653 ($c = 5.686$) (14.442)	0.804 ($c = 4.752$) (12.070)	0.933 ($c = 3.954$) (10.043)
Right-wing upper surface					
-0.658	-0.021	0.023	0.025	0.022	0.018
-.565	.035	.068	.079	.075	.077
-.452	.105	.134	.133	.129	.129
-.311	.178	.209	.214	.201	.209
-.023	.286	.294	.295	.294	.293
.133	.396	.404	.407	.397	.396
.272	.514	.497	.502	.495	.494
.416	.618	.599	.601	.594	.590
.565	.733	.700	.698	.693	.693
.713	.835	.782	.780	.784	.777
.854	.919	.864	.863	.856	.861
.980	.987	.926	.923	.926	.918
1.074		.975	.977	.977	.972
1.122					
Left-wing lower surface					
-0.658	-0.022	0.024	0.025	0.019	0.020
-.615	.038	.075	.074	.066	.076
-.572	.101	.137	.130	.136	.136
-.462	.185	.213	.214	.214	.221
-.329	.289	.297	.298	.292	.295
-.172	.398	.400	.397	.403	.396
-.030	.519	.498	.501	.489	.497
.128	.620	.604	.603	.594	.597
.418	.737	.705	.703	.700	.702
.564	.831	.785	.784	.786	.786
.710	.914	.859	.868	.858	.864
.857	.986	.922	.923	.919	.912
.976	1.012	.967	.972	.967	.985
1.072		1.000			
1.110					

Fuselage orifice locations	
Semispan station, $y/b/2$	x/c (a)
0.019	0.019
.019	.057
.015	.076
.044	.080
.015	.085
.046	.093
.017	.113
.047	.115
.018	.137
.048	.138
.020	.163
.052	.162
.044	.209
.044	.247
.044	.276
.044	.324
.044	.361
.044	.396
.044	.438
.044	.487
.044	.518
.044	.556
.044	.574
.044	.593
.044	.632
.044	.670
.044	.708
.044	.747
.044	.766
.044	.785
.044	.804
.044	.823
.044	.842
.044	.861
.044	.881
.044	.900
.044	.938

^a x/c measured from fuselage inlet lip; $c = 52.235$ (132.68).

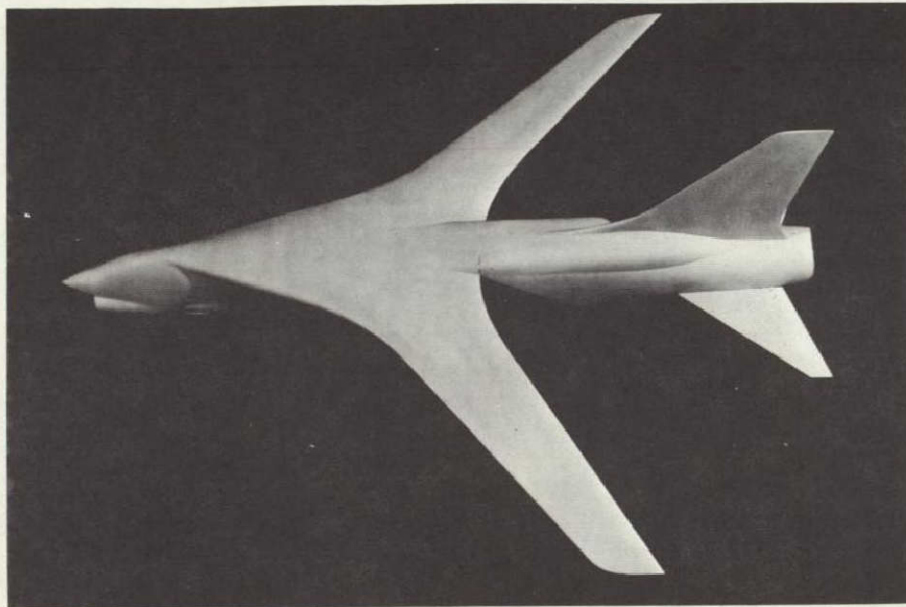
(d) Concluded.

Figure 1.- Concluded.

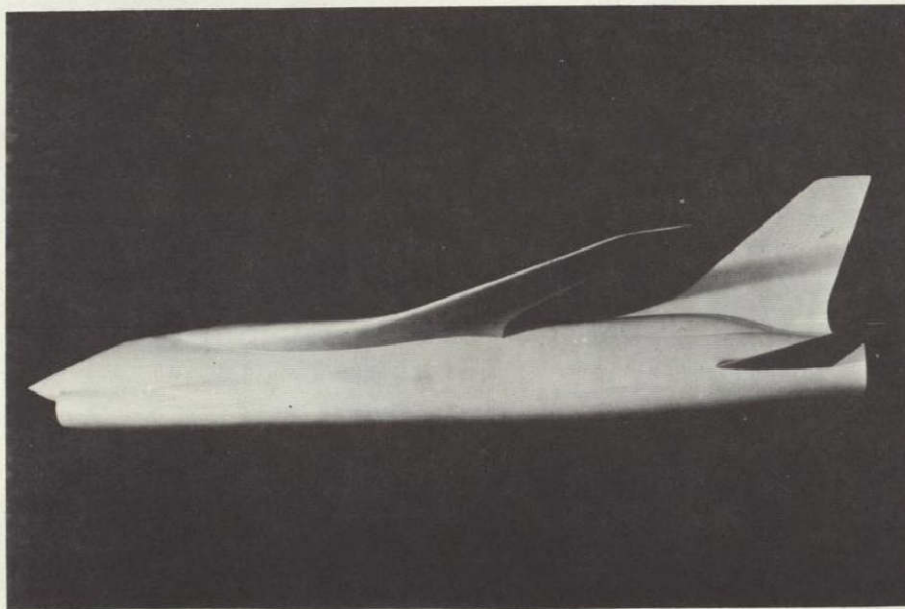
ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~



L-69-6086

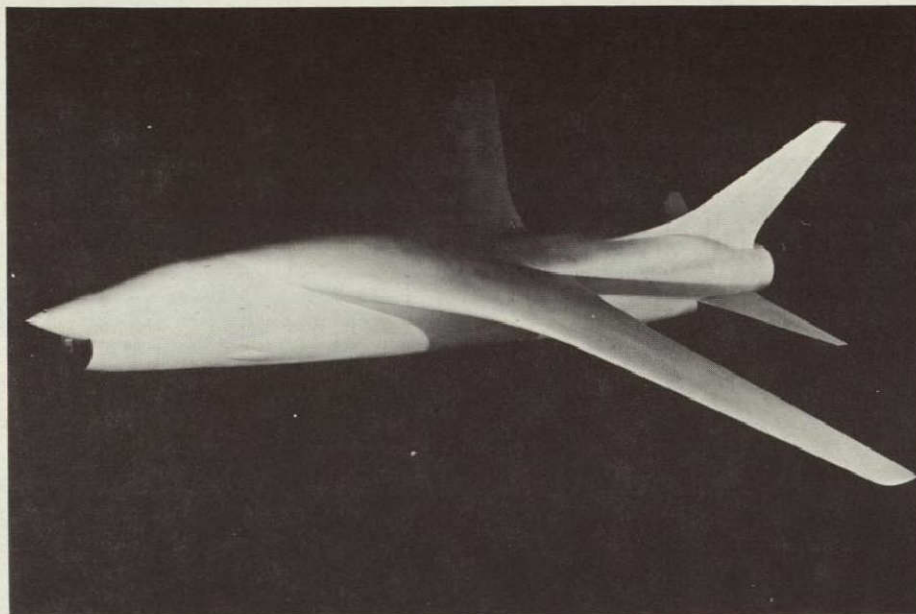


L-69-6085

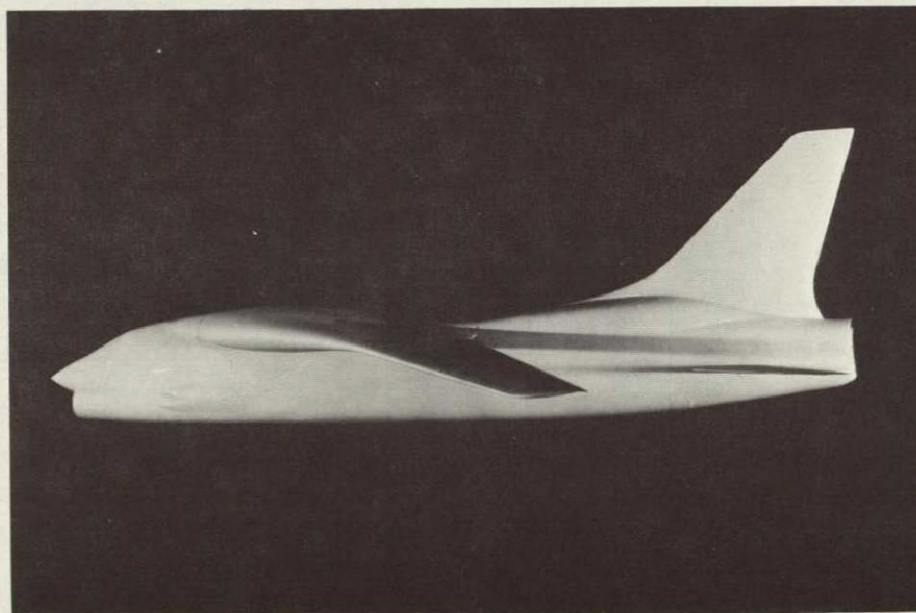
Figure 2.- Photographs of 0.087-scale wind-tunnel model.

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~



L-69-6079



L-69-6083

Figure 2.- Concluded.

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

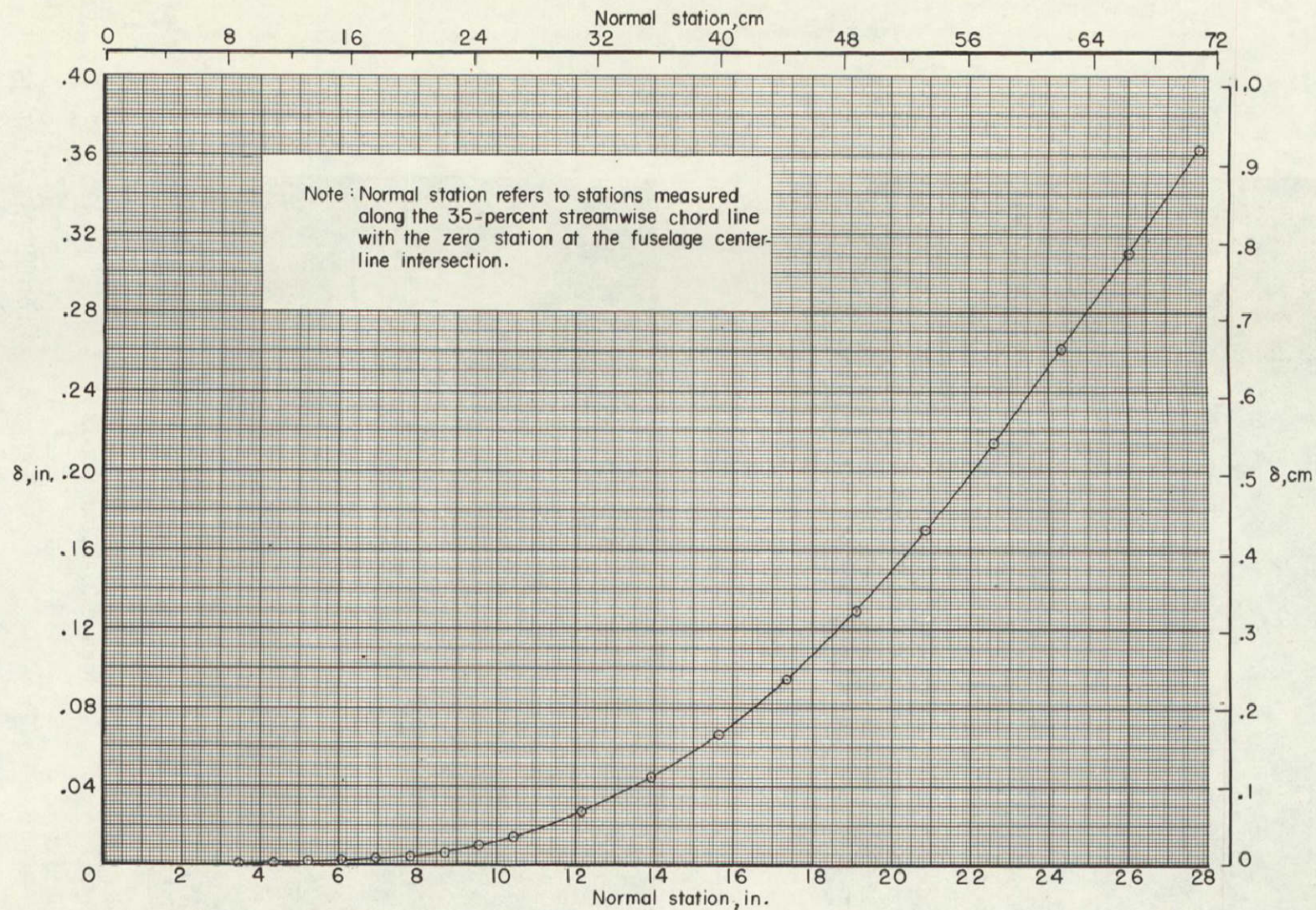


Figure 3.- Vertical deflection of model wing due to aerodynamic loading. $M = 0.99$; $C_L = 0.429$; $q = 44\,193 \text{ N/m}^2$ (923 lb/sq ft); $R = 16.1 \times 10^6$ per meter (4.9×10^6 per foot).

CONFIDENTIAL

CONFIDENTIAL

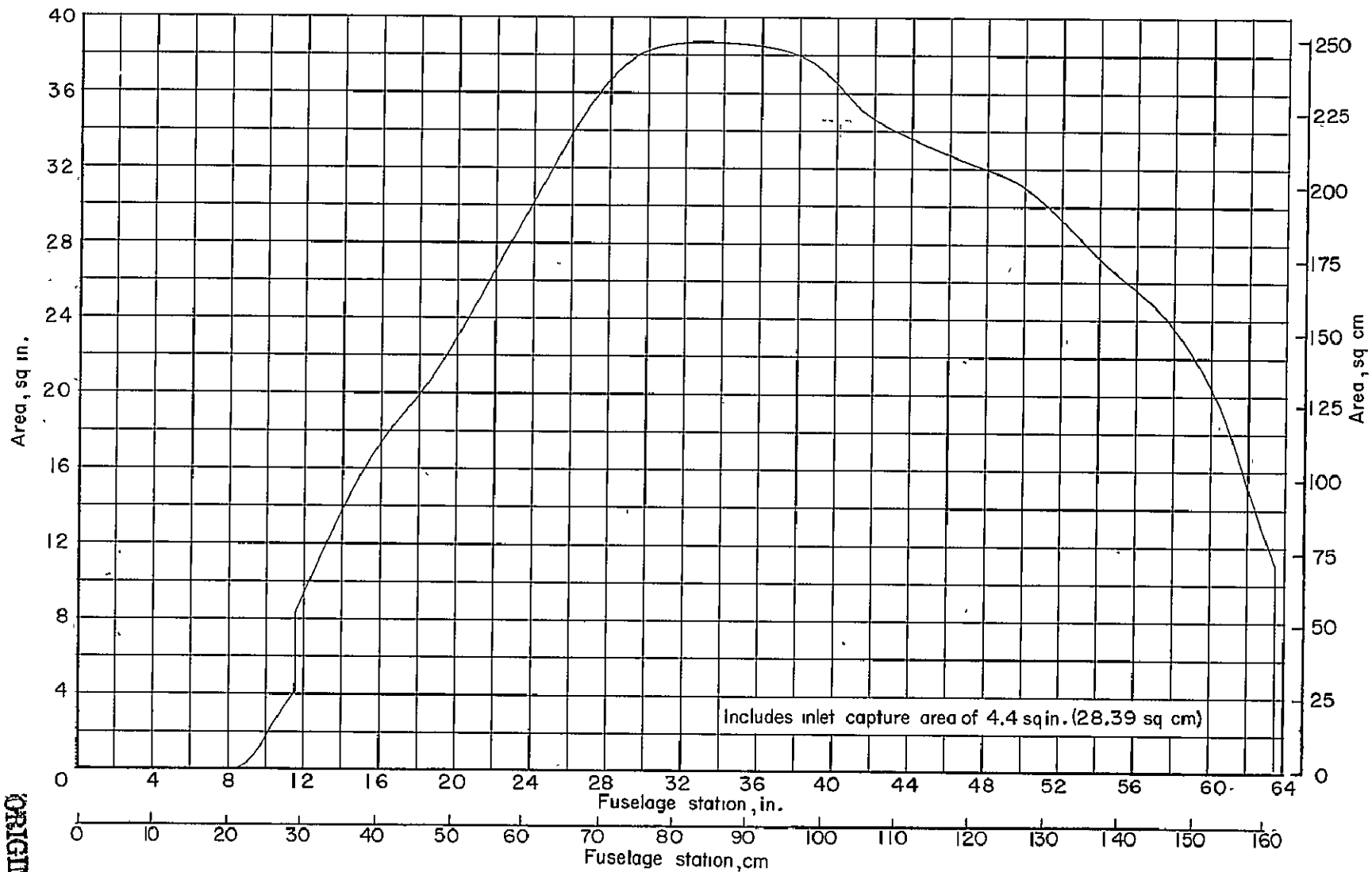


Figure 4.- Longitudinal progression of cross-sectional area taken normal to fuselage reference line for configuration 140.

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

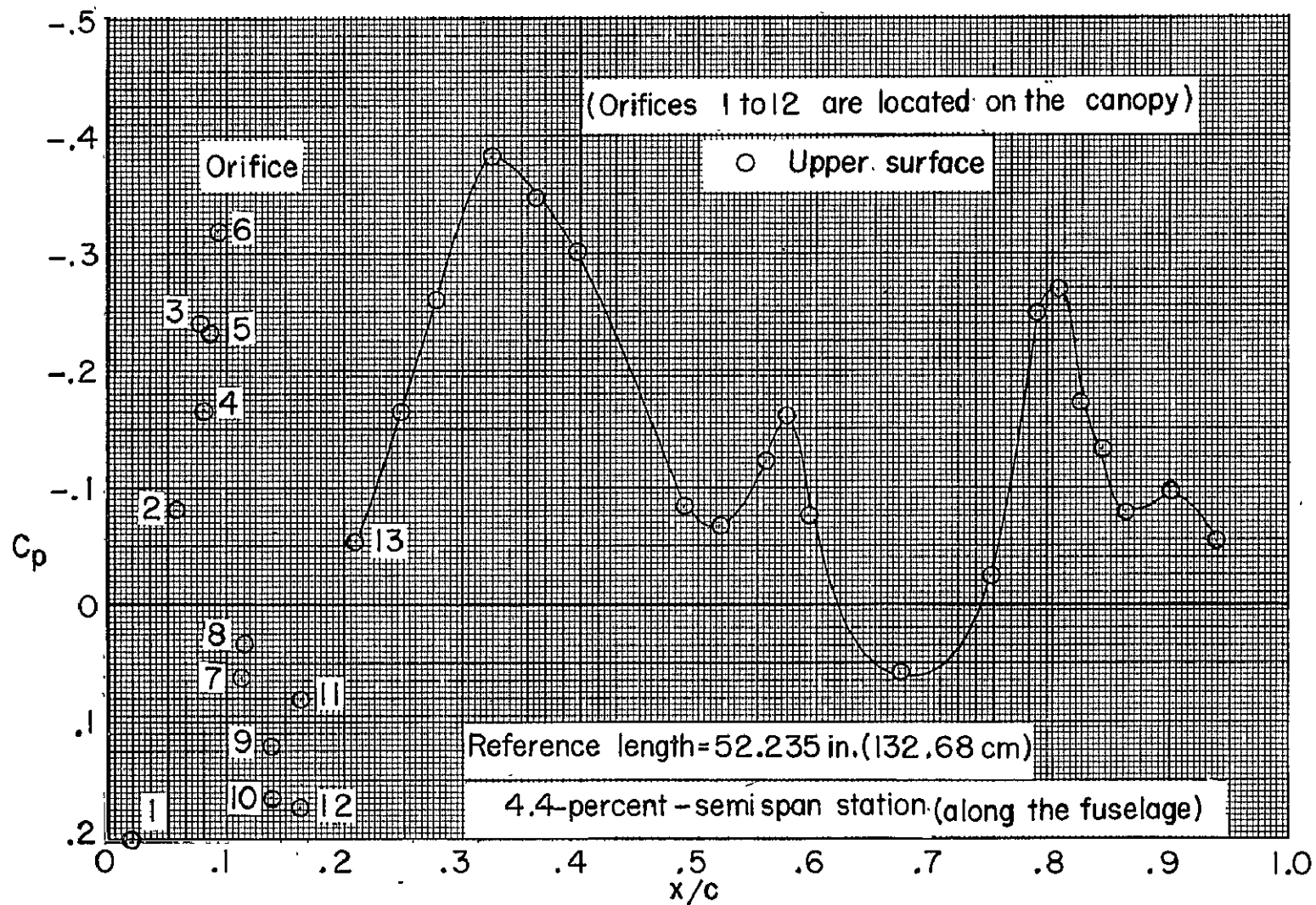


Figure 6.- Streamwise-chord pressure distributions. Configuration 140; $M = 0.99$; $C_L = 0.443$; $q = 44\,193 \text{ N/m}^2$ (923 lb/sq ft); $R = 16.1 \times 10^6$ per meter (4.9×10^6 per foot).

~~CONFIDENTIAL~~

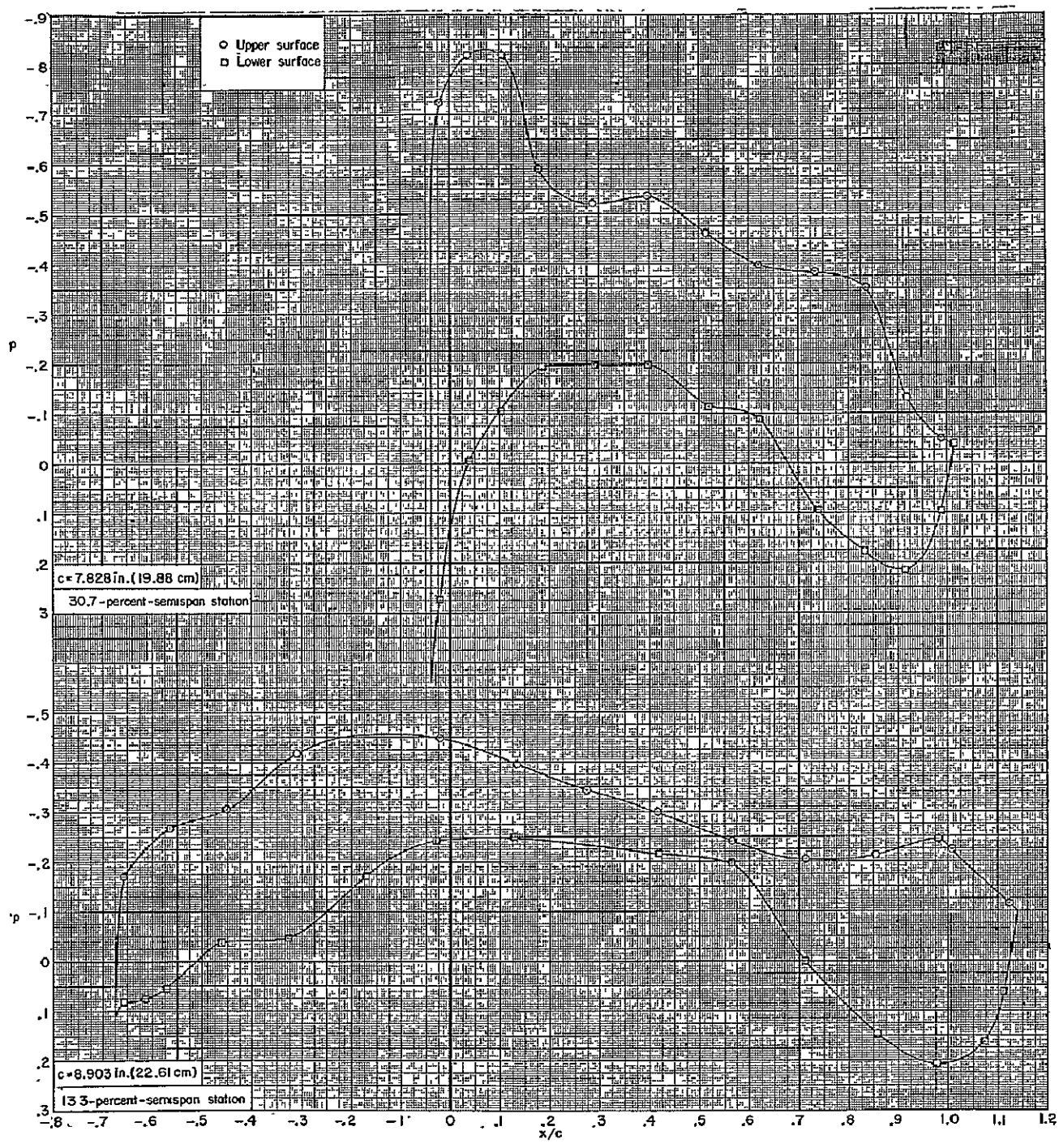


Figure 6.- Continued.

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

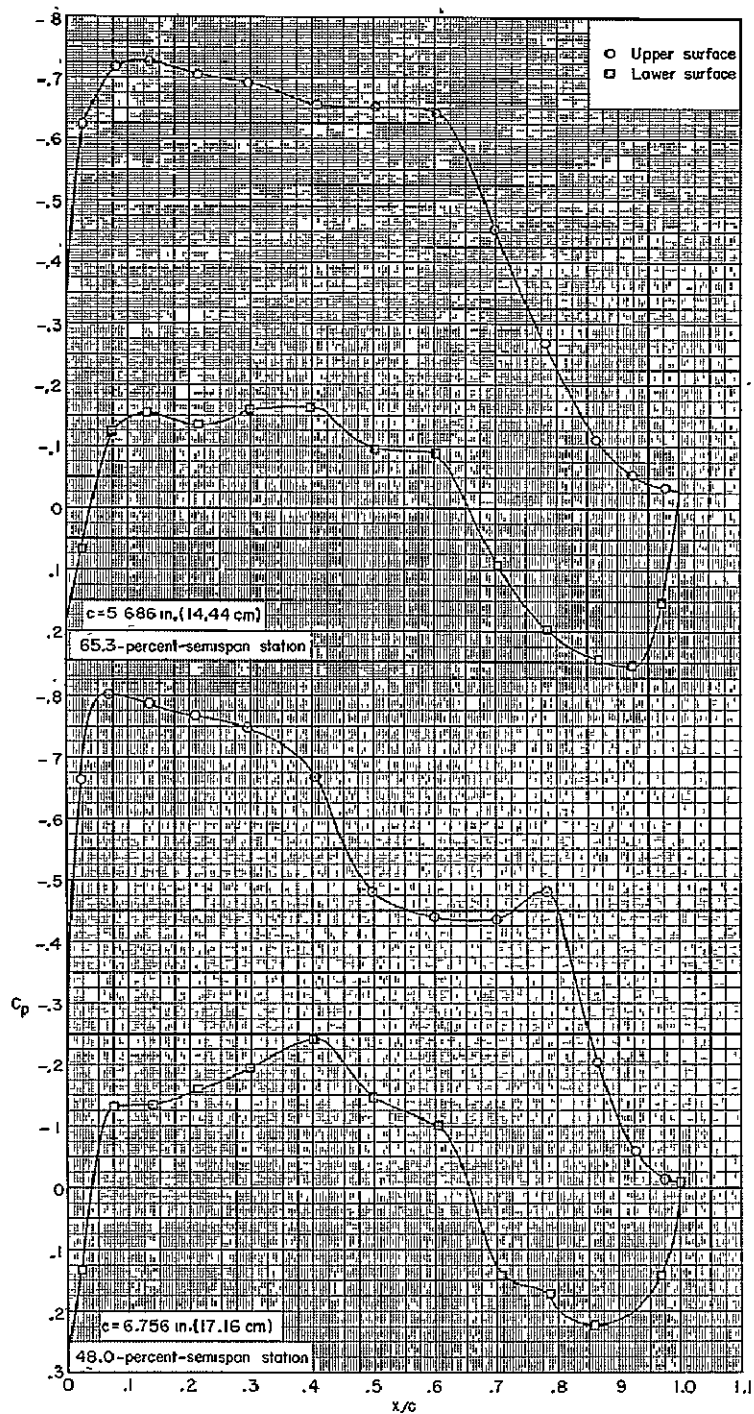


Figure 6. - Continued.

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

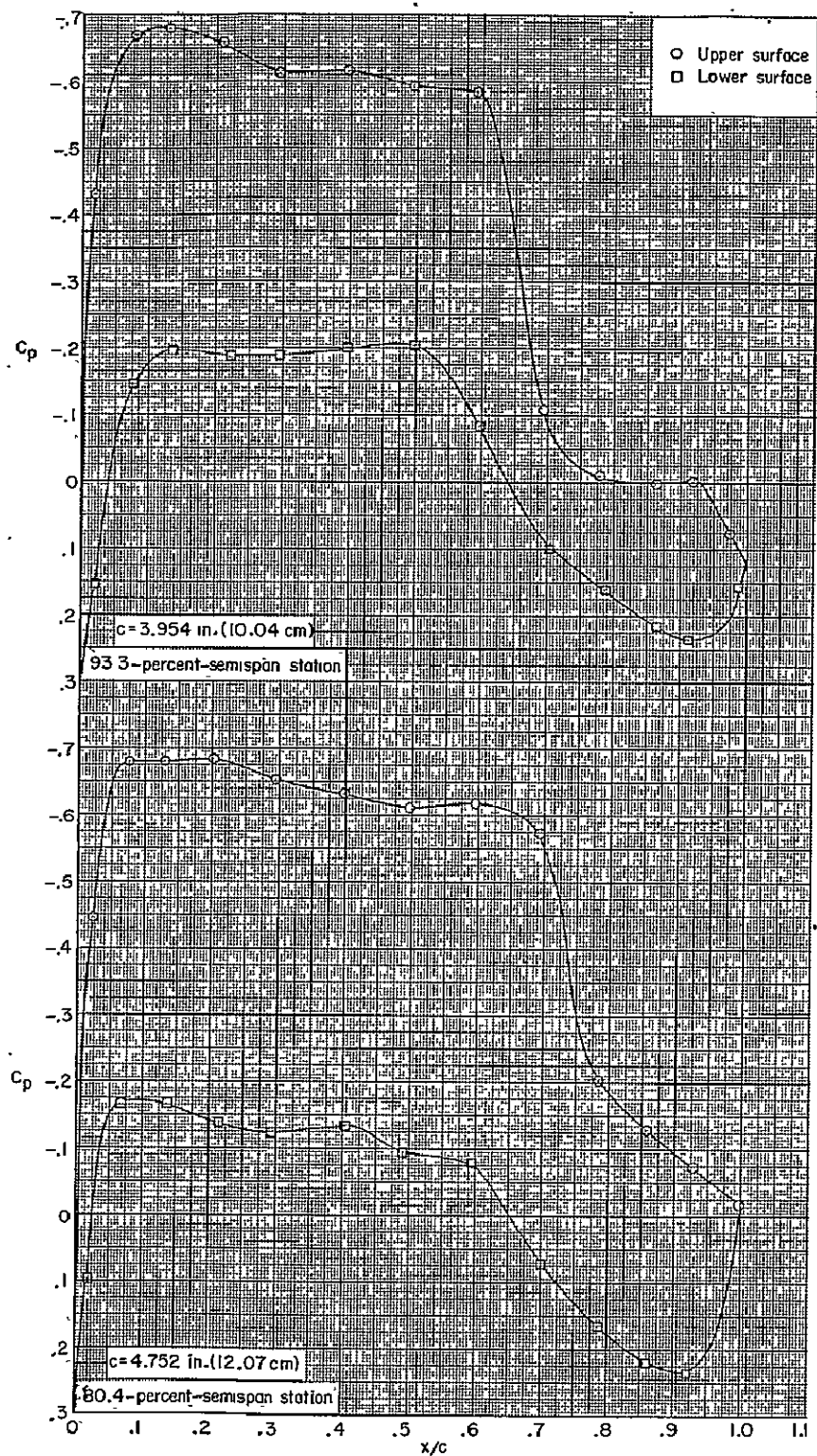


Figure 6.- Concluded.

~~CONFIDENTIAL~~

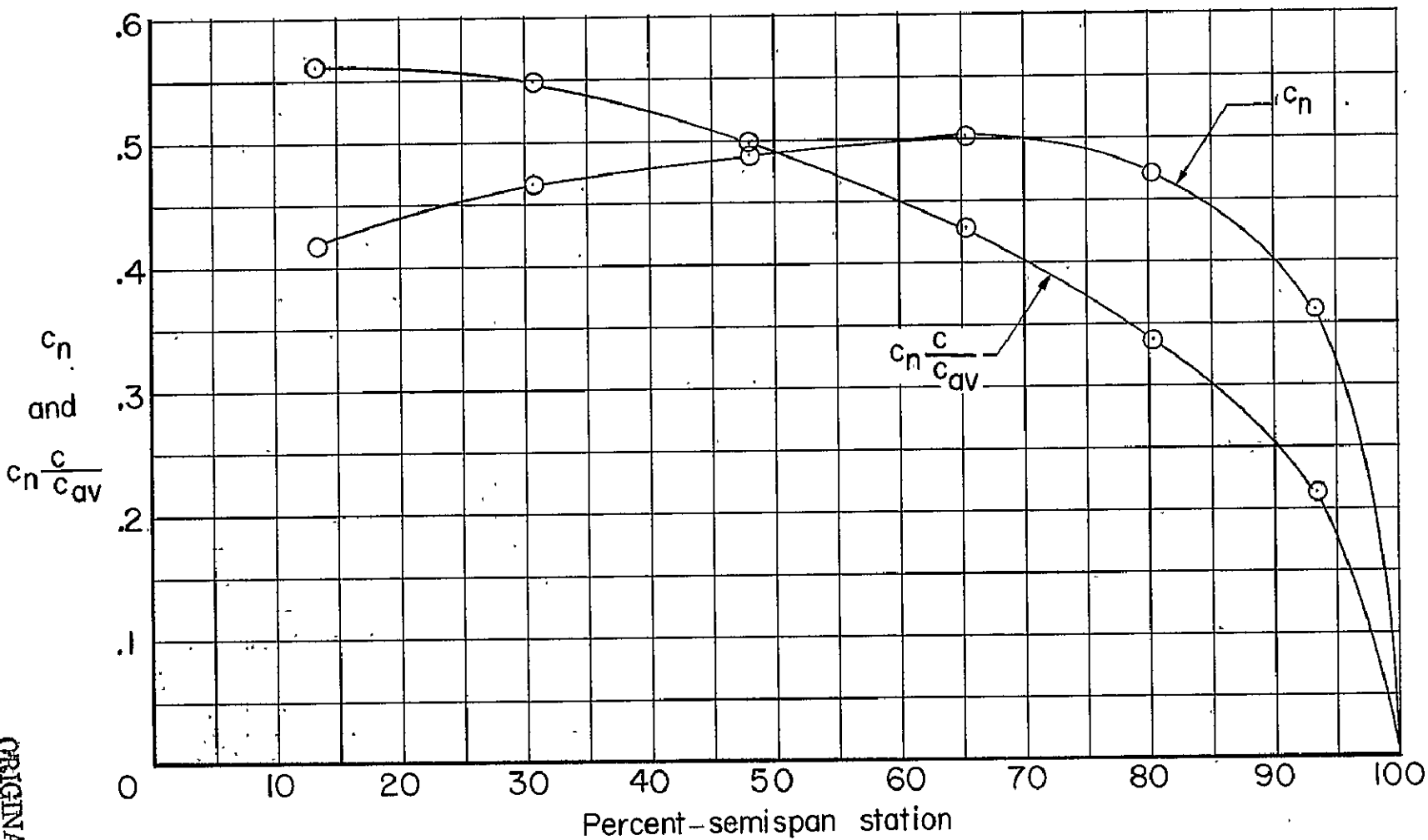


Figure 7.- Semispan aerodynamic load distribution. Configuration 140; $M = 0.99$; $C_L = 0.443$;
 $q = 44\,193 \text{ N/m}^2$ (923 lb/sq ft); $R = 16.1 \times 10^6$ per meter (4.9×10^6 per foot).

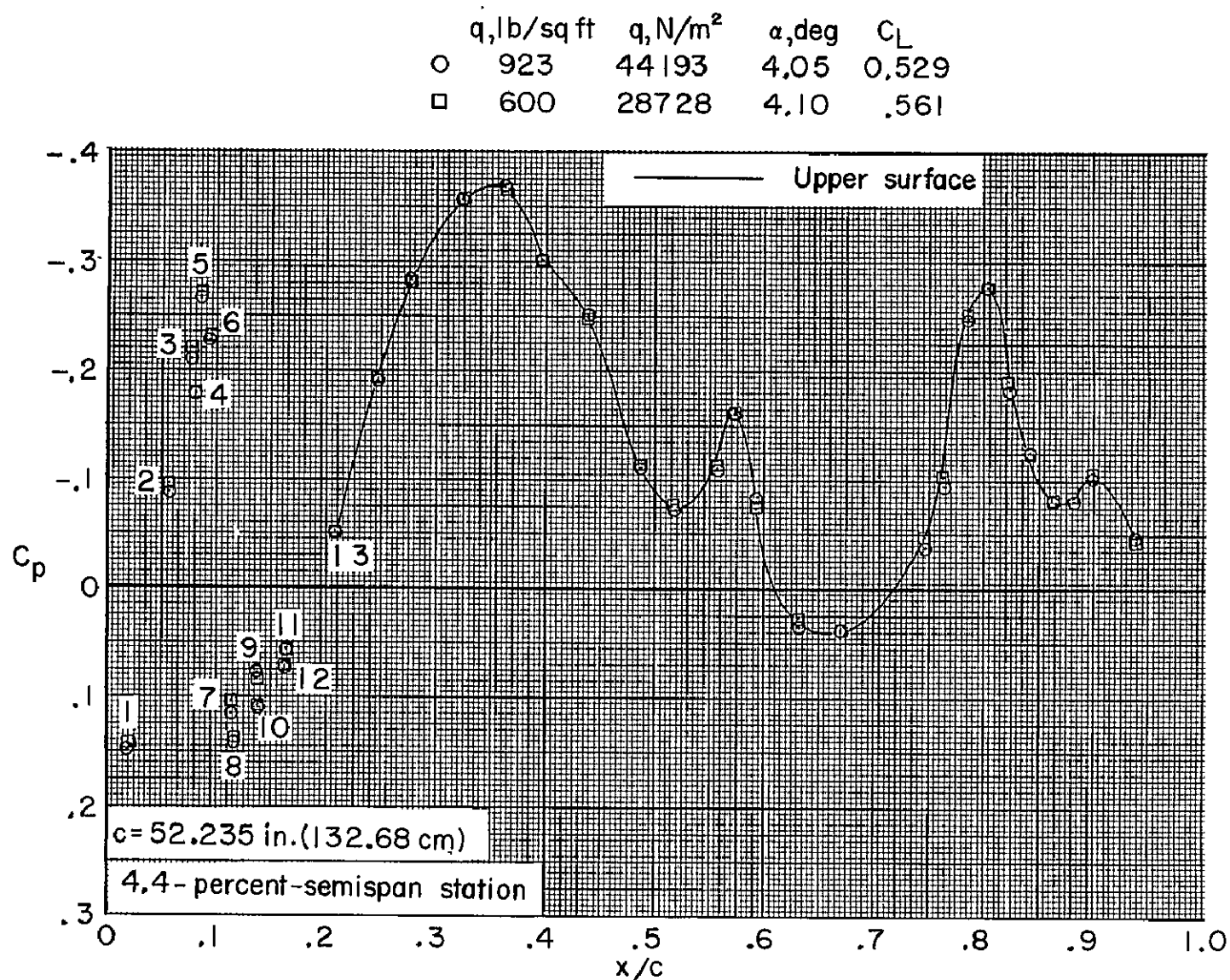


Figure 8.- Effects on streamwise chord pressure distribution of variation in dynamic pressure.
Configuration 136; $M = 0.99$.

~~CONFIDENTIAL~~

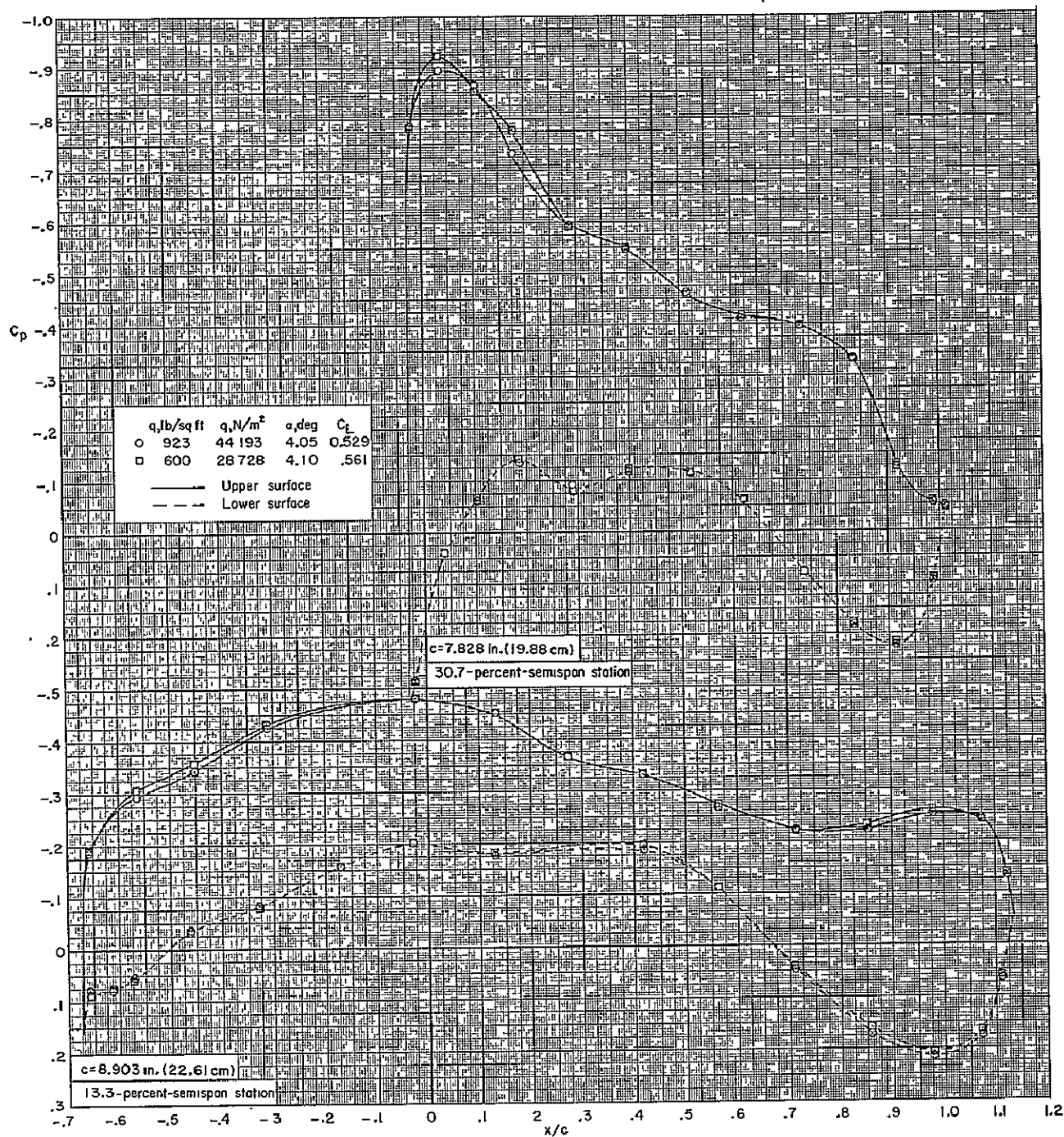


Figure 8.- Continued.

ORIGINAL PAGE IS
OF POOR QUALITY

~~CONFIDENTIAL~~

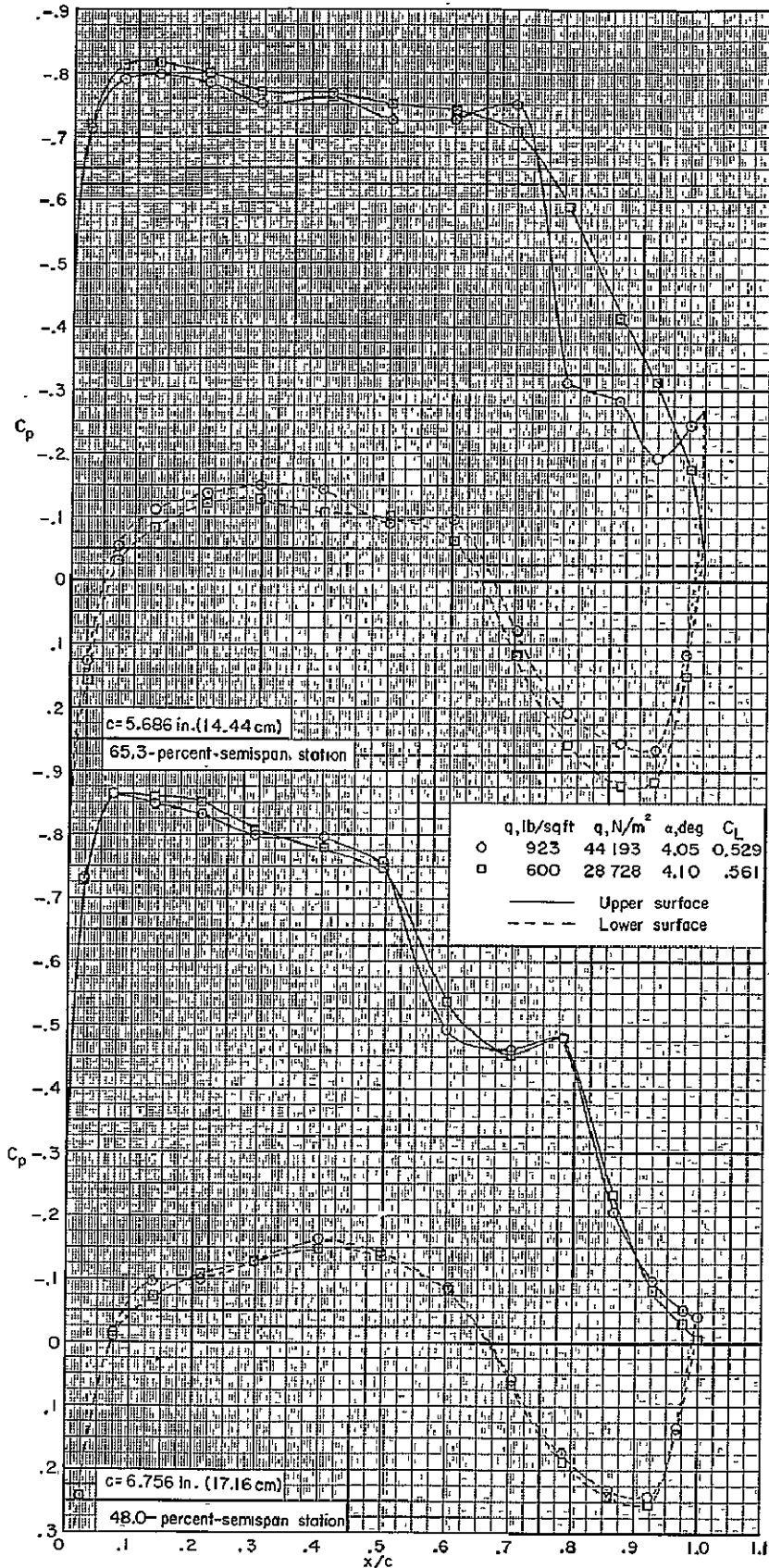
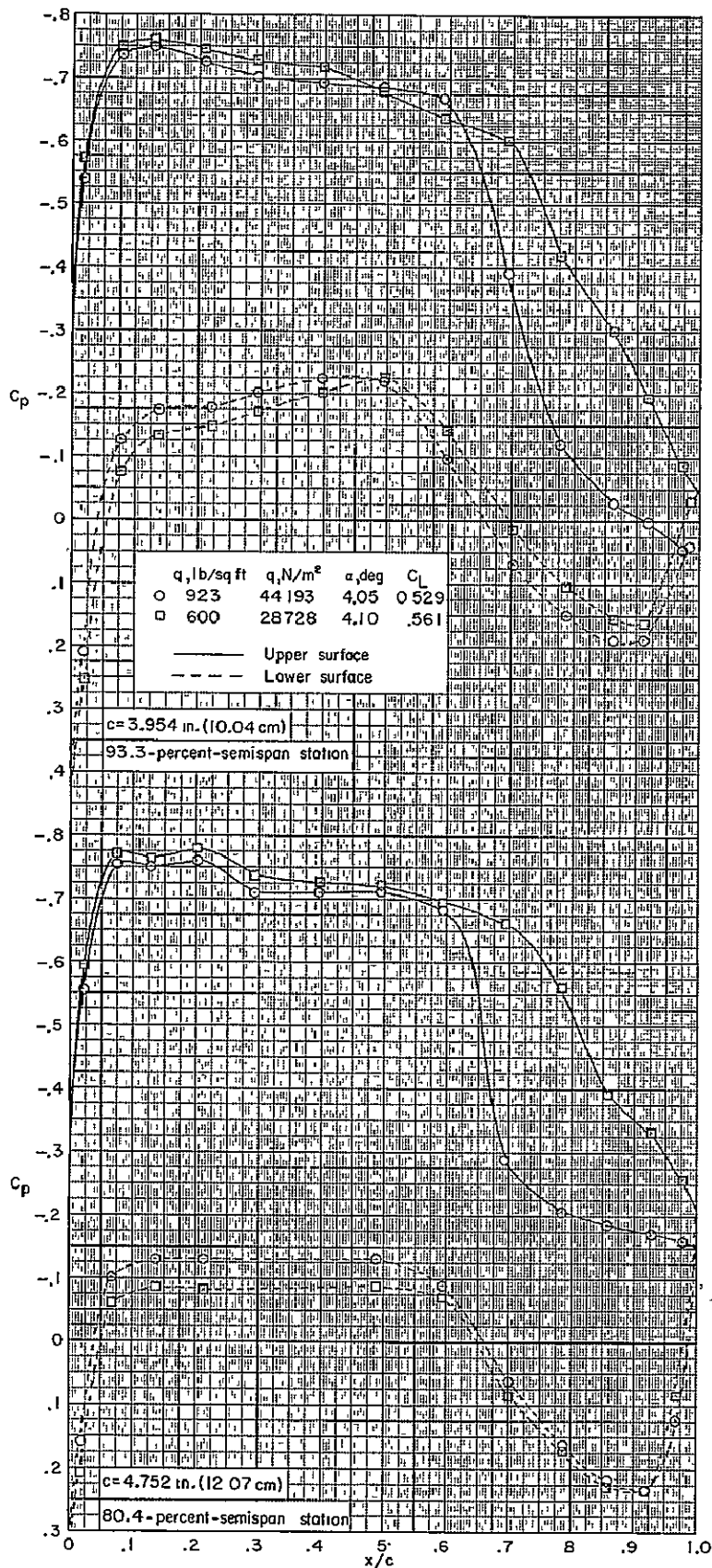


Figure 8.- Continued.

~~CONFIDENTIAL~~



ORIGINAL PAGE IS
OF POOR QUALITY

Figure 8. - Concluded.

~~CONFIDENTIAL~~

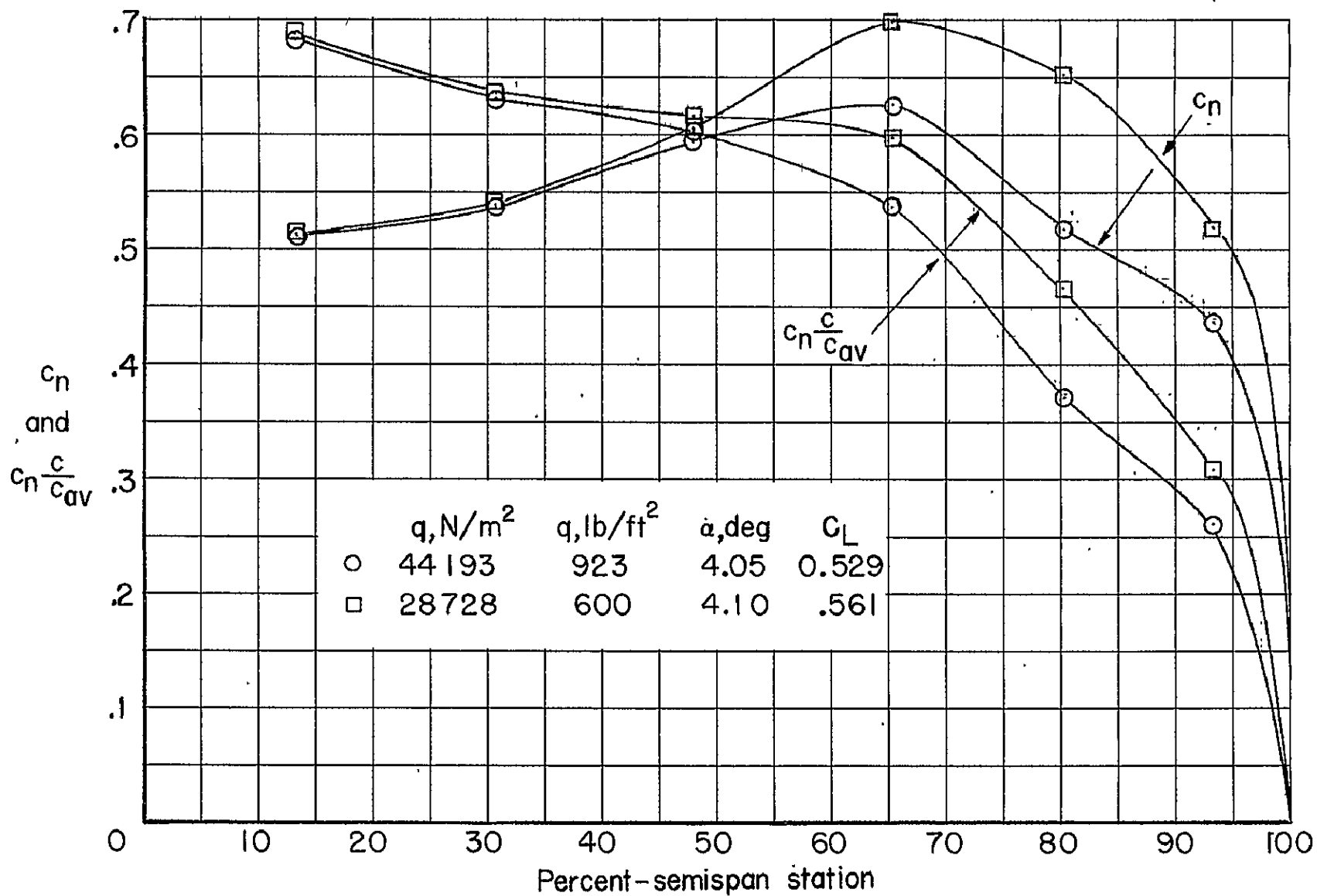


Figure 9.- Effects of variation in dynamic pressure on span-load distribution. Configuration 136; $M = 0.99$.

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

"The aeronautical and space activities of the United States shall be conducted so as to contribute . . . to the expansion of human knowledge of phenomena in the atmosphere and space. The Administration shall provide for the widest practicable and appropriate dissemination of information concerning its activities and the results thereof."

— NATIONAL AERONAUTICS AND SPACE ACT OF 1958

NASA SCIENTIFIC AND TECHNICAL PUBLICATIONS

TECHNICAL REPORTS: Scientific and technical information considered important, complete, and a lasting contribution to existing knowledge.

TECHNICAL NOTES: Information less broad in scope but nevertheless of importance as a contribution to existing knowledge.

TECHNICAL MEMORANDUMS.
Information receiving limited distribution because of preliminary data, security classification, or other reasons

CONTRACTOR REPORTS: Scientific and technical information generated under a NASA contract or grant and considered an important contribution to existing knowledge.

TECHNICAL TRANSLATIONS: Information published in a foreign language considered to merit NASA distribution in English.

SPECIAL PUBLICATIONS: Information derived from or of value to NASA activities. Publications include conference proceedings, monographs, data compilations, handbooks, sourcebooks, and special bibliographies.

TECHNOLOGY UTILIZATION PUBLICATIONS: Information on technology used by NASA that may be of particular interest in commercial and other non-aerospace applications. Publications include Tech Briefs, Technology Utilization Reports and Notes, and Technology Surveys.

Details on the availability of these publications may be obtained from:

SCIENTIFIC AND TECHNICAL INFORMATION OFFICE
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Washington, D.C. 20546

~~CONFIDENTIAL~~